Mathematics

Second Term

Primary 1

2025/2026

Geel 2000 Language School

Student Name : .....

School : .....

Mobile : .....

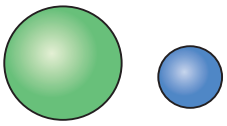
Class : .....

Lesson (1)

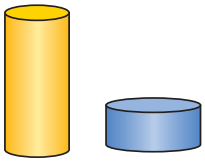
Different Shapes (Part 1)

Different Shapes

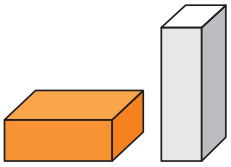
- Ball Shape



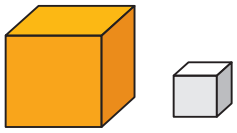
- Cylinder Shape



- Cuboid Shape

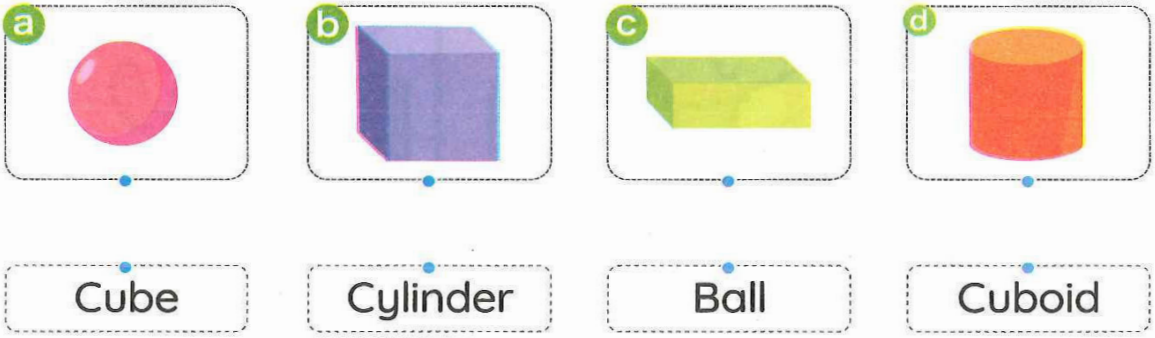


- Cube Shape

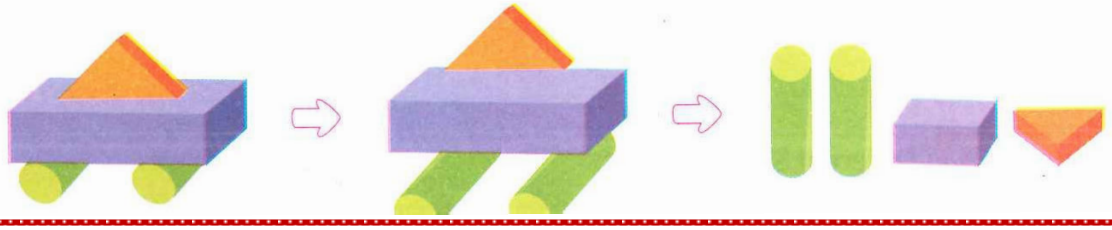


Example (1):

Match each shape with its name:

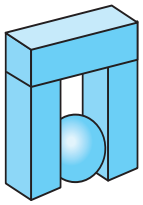


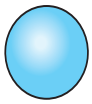
▶ The shapes that make up the following shape can be identified as follows:



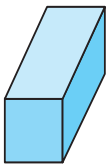
Example (1):

(1) We made the opposite shape using some shapes.
Which shapes did we use? Choose all that apply.



A 

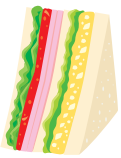
B 

C 

D 

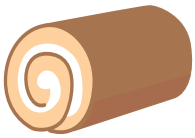
(1) It uses a ball shape and a cuboid shape. A and C

(2) Which shape looks like  ?

A 

B 

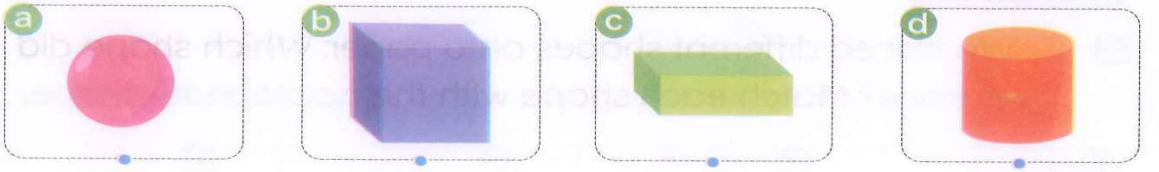
C 

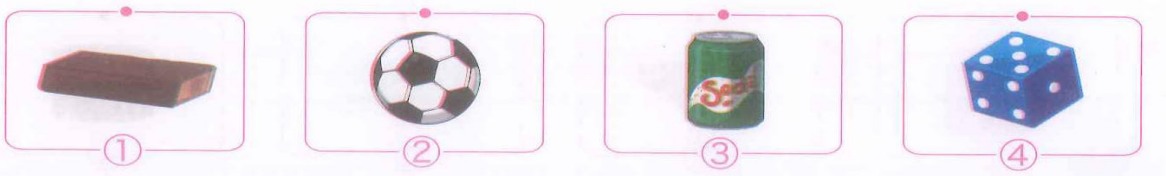
D 

(2) Choose the cylinder shape. D

Example (2):

Match each shape with the object that looks like it:

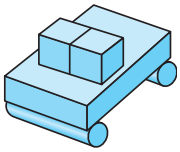




Home work H.W

(1) We made the opposite shape using some shapes.

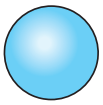
Which shapes did we use? Choose all that apply.



A 

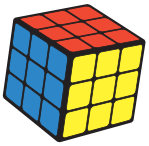
B 

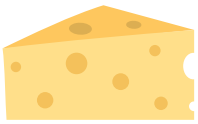
C 

D 

(2) Which shape looks like  ?

A 

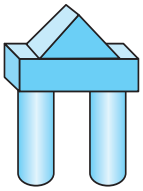
B 

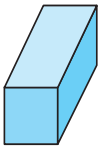
C 

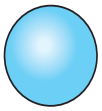
D 

(3) We made the opposite shape using some shapes.

Which shapes did we use? Choose all that apply.



A 

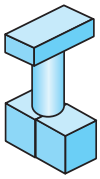
B 

C 

D 

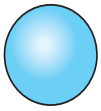
(4) We made the opposite shape using some shapes.

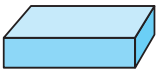
Which shapes did we use? Choose all that apply.



A 

B 

C 

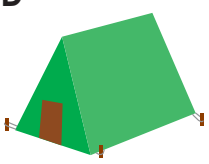
D 

(5) Which shape looks like  ?

A 

B 

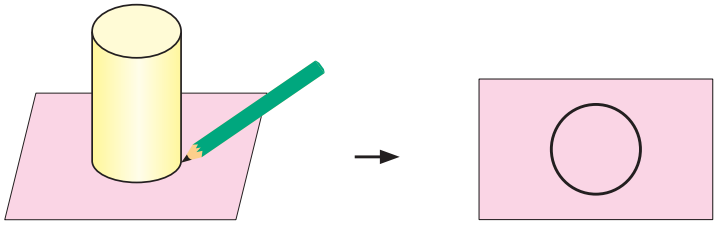
C 

D 

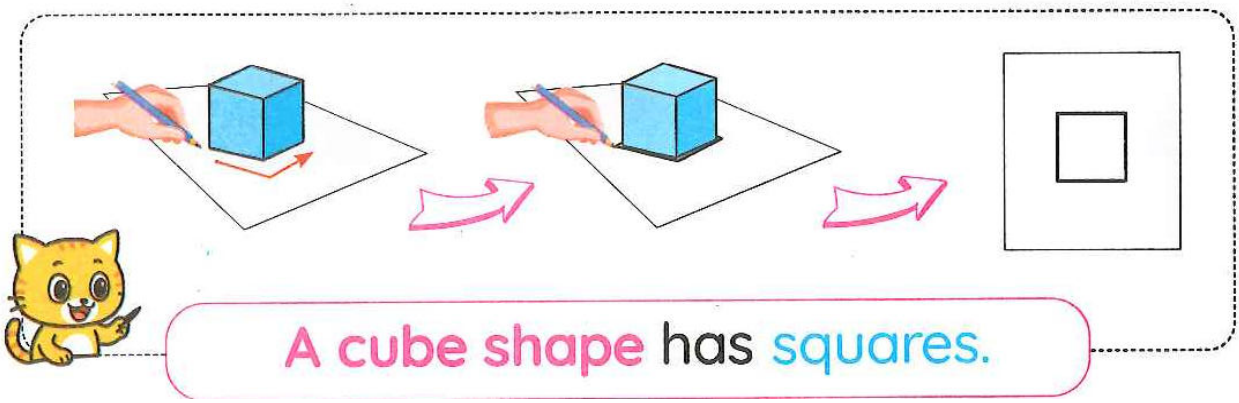
Different Shapes (Part 2)

When you trace shapes, you can find new shapes.

Example Cylinder Shape

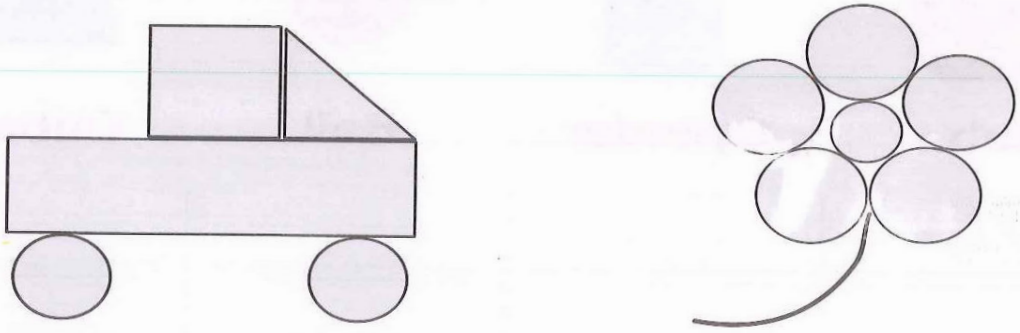


A cylinder shape has **circles**



Example (1):

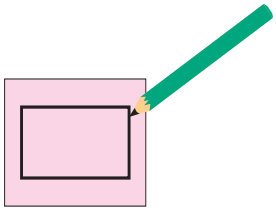
You can trace different shapes and draw a picture.
Look at the following shapes:



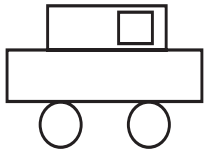
Use the shapes to draw three different pictures:

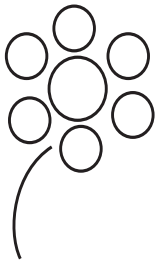
Example (2):

(1) Let's trace different shapes and draw a picture.

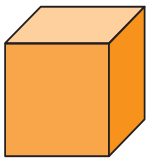


(1)

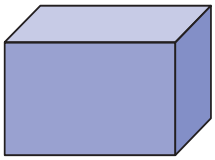


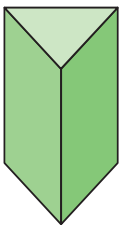


(2) We traced a shape onto paper, and it looks like the opposite shape. Which shape did we trace?

A 

B 

C 

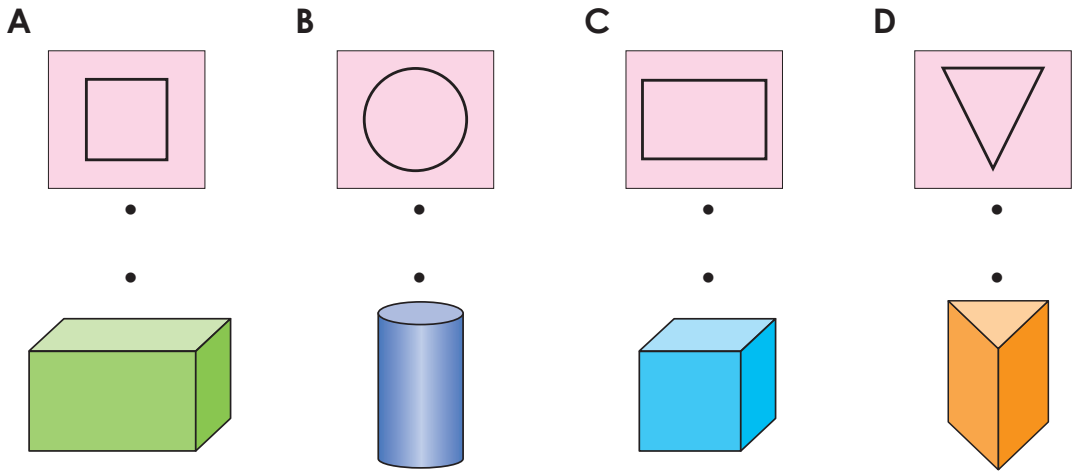
D 

(2) C

Home work H.W

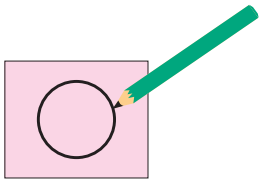
Ex (1):

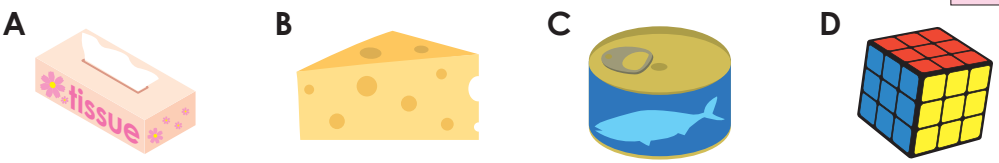
We traced different shapes onto paper. Which shape did we trace? Match each shape with the appropriate shape.



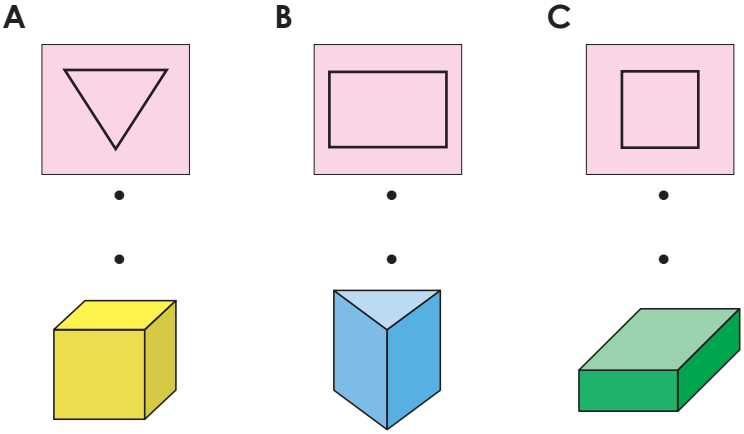
Ex (2):

(1) We traced a shape onto paper, and it looks like the opposite shape. Which shape did we trace?





(2) We traced different shapes onto paper. Which shape did we trace? Match each shape with the appropriate shape.



(3) Complete the following:

Cube

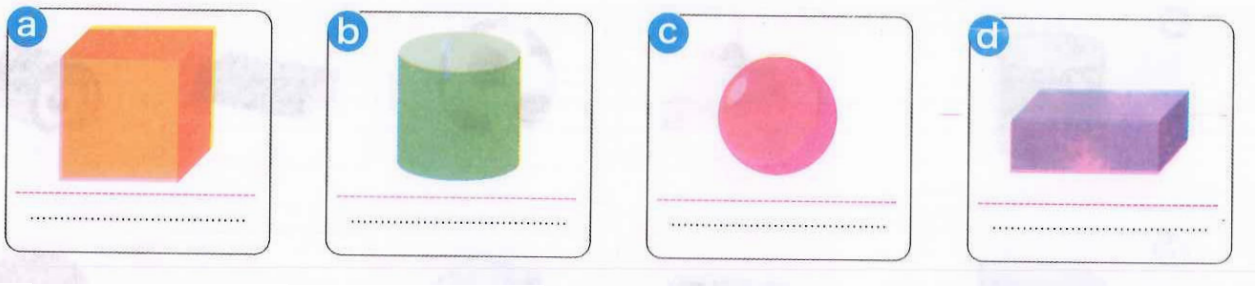
Cylinder

Ball

Cuboid

Ex (4):

Write the name of each of the following shapes:

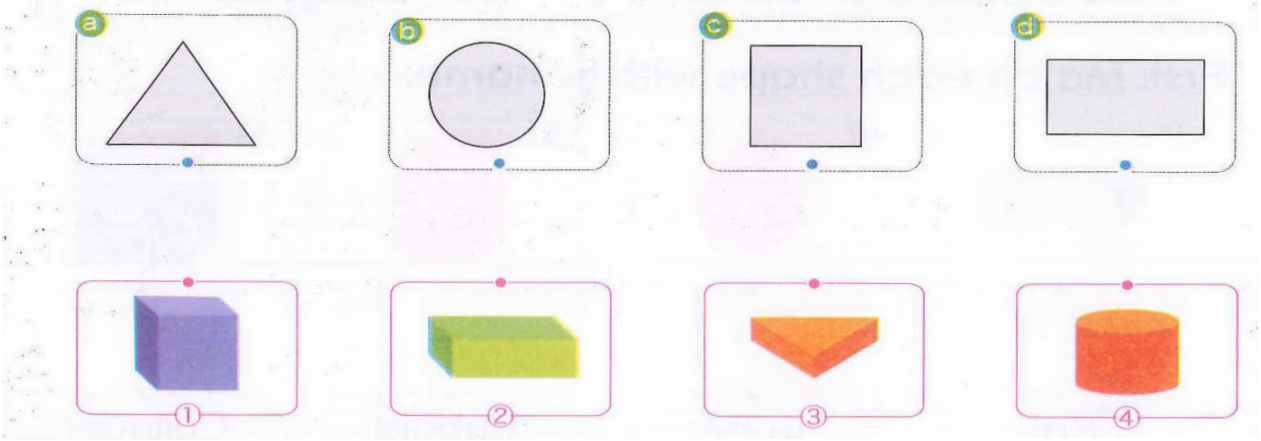


Ex (5):

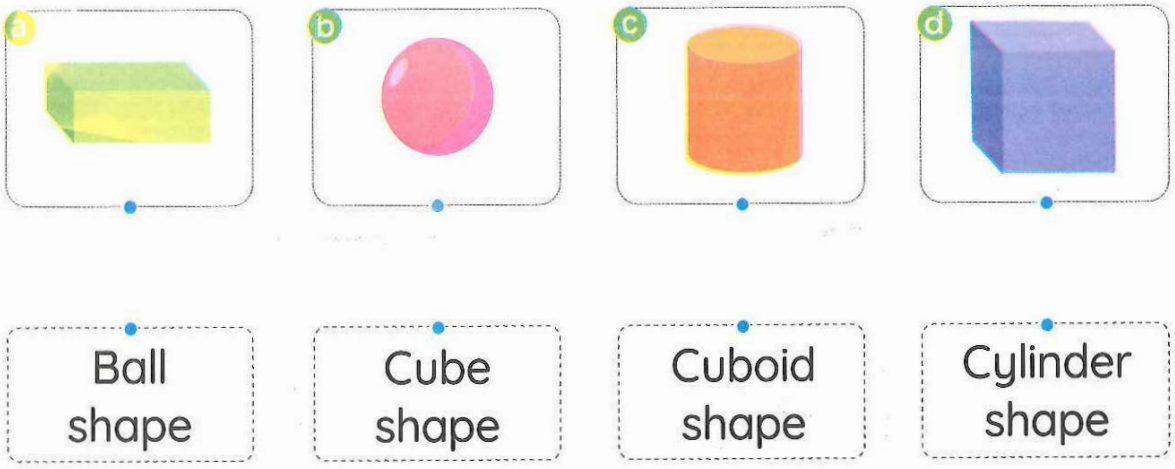
Which shape looks like

(6) Answer the following:

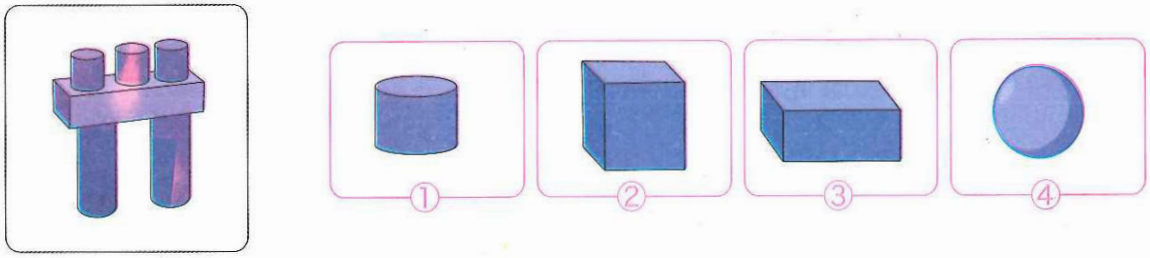
(1) Match each shape with the shape used to trace it:



(2) Match each shape with its name:

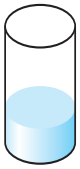


(3) Choose all the shapes used to make this shape:



Which Has More? (Part 1)

When water is in indentical containers, we compare the amount by the height of the water.

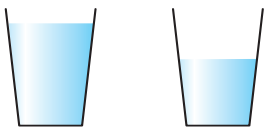
A  B 

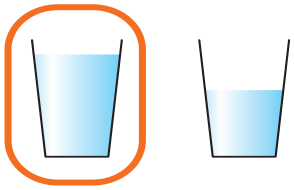
→ The amount of water is more in A .

When water is in different containers, you can compare the amount by pouring the water into identical containers.

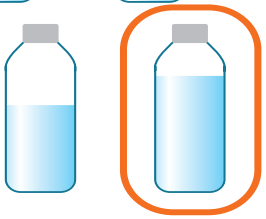
Example (1):

(1) Circle the one that has more water.

① 

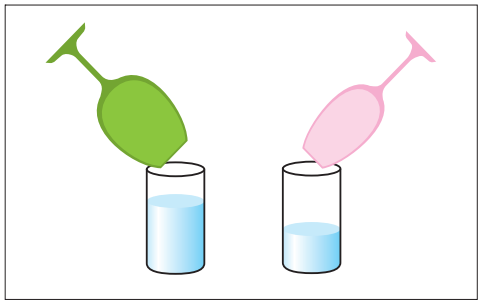
(1) ① 

② 

② 

(2) Which glass holds more water?

A  B 



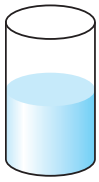
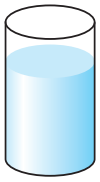
(2) We compare the height of water in each of the indentical containers.

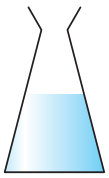
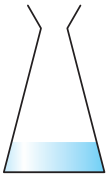
A

Home work H.W

Ex (1):

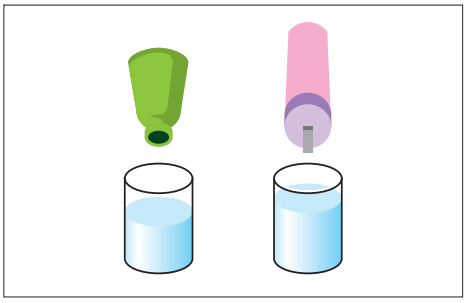
(1) Which container has more water in it?

① A  B 

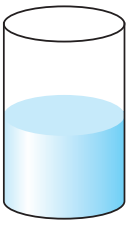
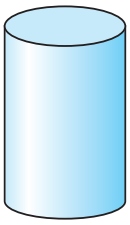
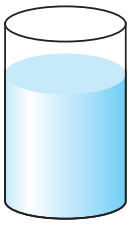
② A  B 

(2) Which water bottle holds less water?

A  B 

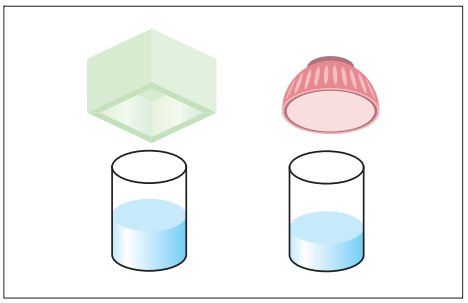


(3) Arrange them in order from most to least water.

A  B  C 

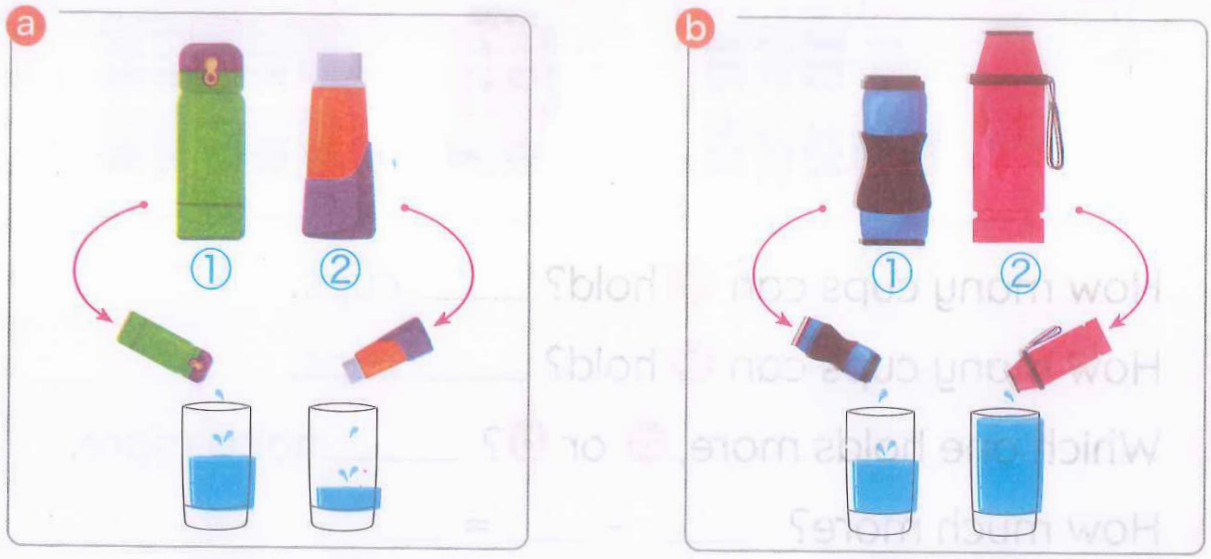
(4) Which container holds less water?

A B 



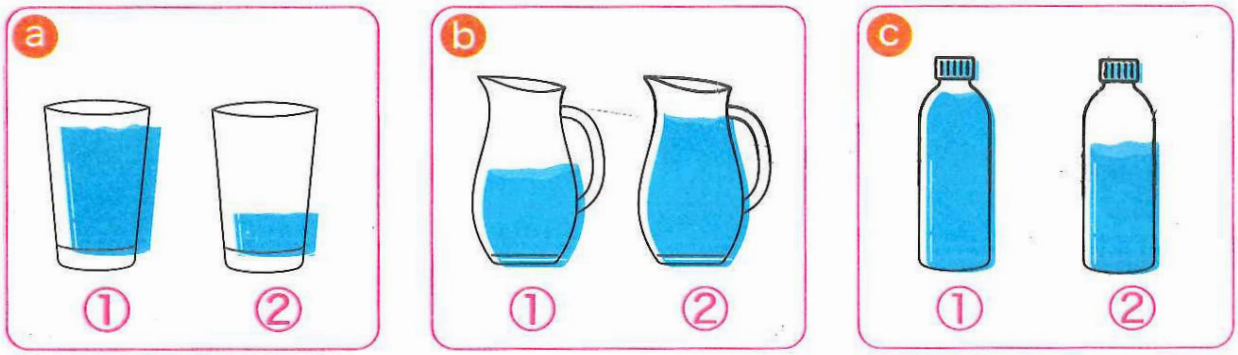
Ex (2):

Circle the bottle that contains more water:



Ex (3):

Circle the container that has more water:



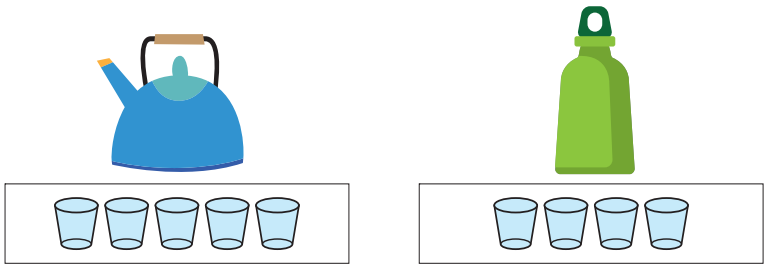
Ex (4):

Arrange the following cups from most to least water:

Order: Cup ..... , Cup ..... , Cup .....

Which Has More

You can compare the amount of water by using "how many units".



- The kettle holds **5 cups** .
- The water bottle holds **4 cups** .

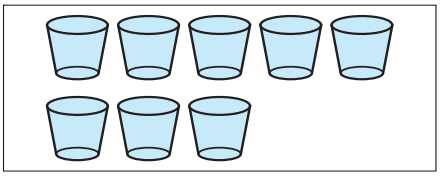
→ **The kettle** holds **1 more cup** .

5 − 4 = 1

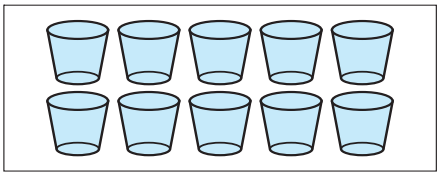
Example (1):

Look at the next picture and answer the questions.

A



B



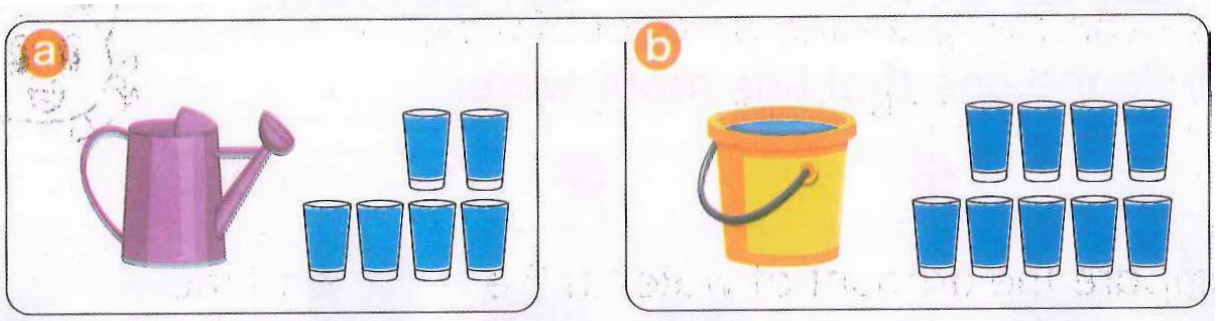
(1) How many cups can A hold? (1) 8 cups

(2) How many cups can B hold? (2) 10 cups

(3) Which one holds more, A or B, and by how much?

(3) B holds 2 more cups

Example (2):



① How many cups can a hold? _____ cups.

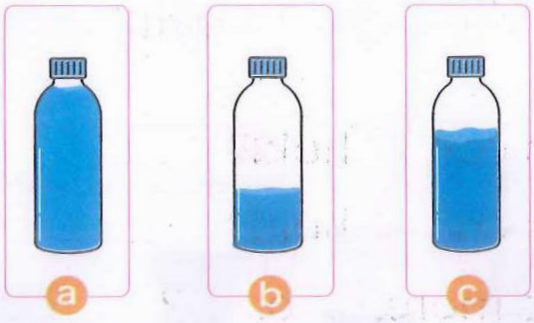
② How many cups can b hold? _____ cups.

③ Which one holds more, a or b? _____ holds more.

④ How much more? _____ - _____ = _____

Example (3):

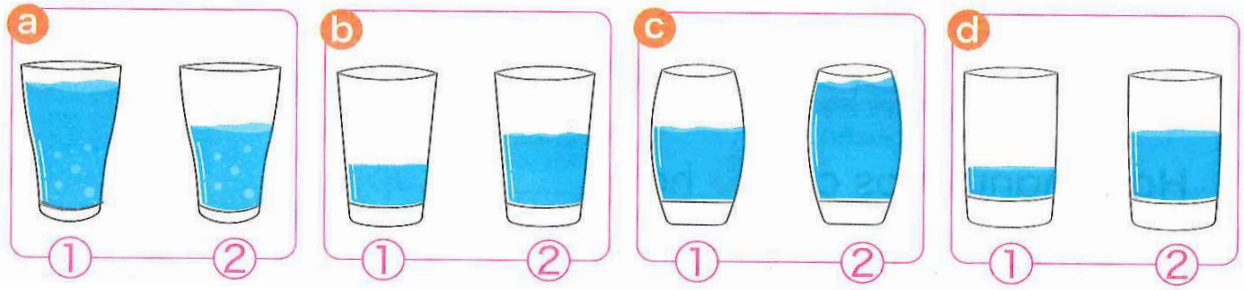
Arrange the following bottles from least to most water:



Order: Bottle _____ , Bottle _____ , Bottle _____

Example (4):

Circle the one that has more water:

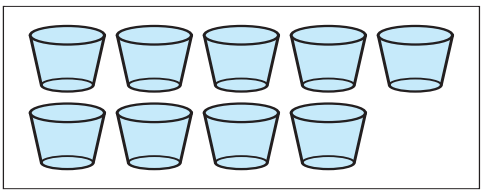


Home work H.W

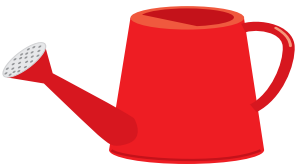
Ex (1):

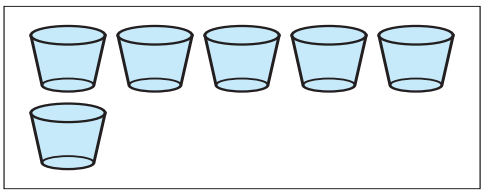
Look at the next picture and answer the questions.

A



B





(1) How many cups can A hold?

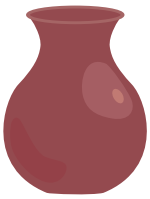
(2) How many cups can B hold?

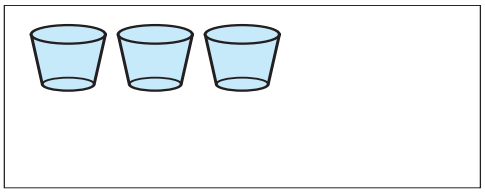
(3) Which one holds more, A or B, and by how much?

Ex (2):

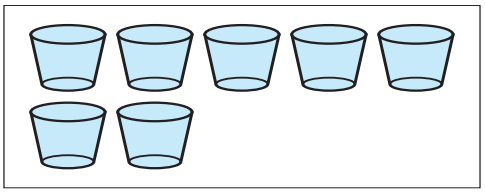
Look at the next picture and answer the questions.

A





B



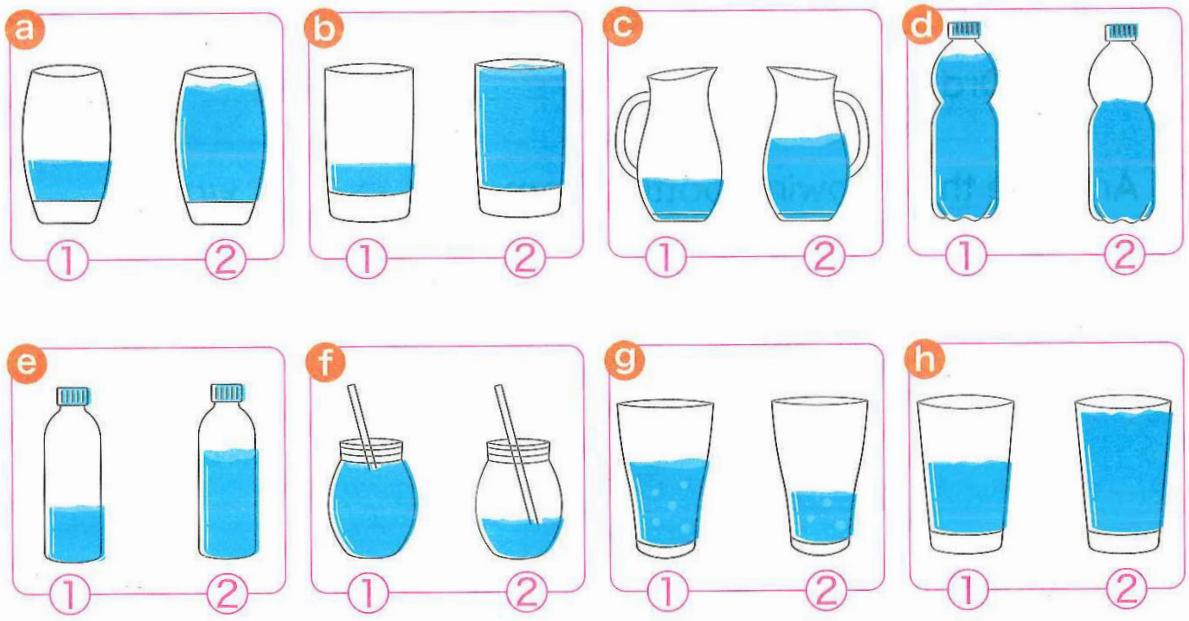
(1) How many cups can A hold?

(2) How many cups can B hold?

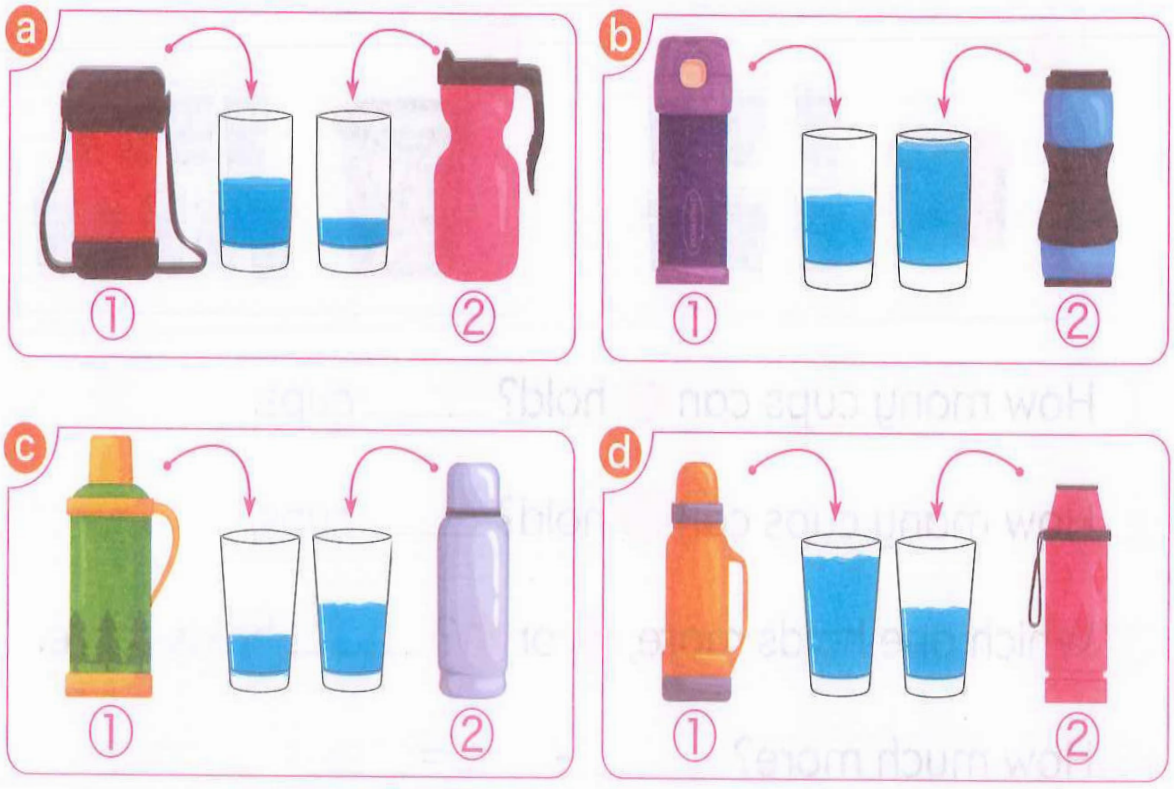
(3) Which one holds more, A or B, and by how much?

Ex (3):

(1) Circle the one that has less water:

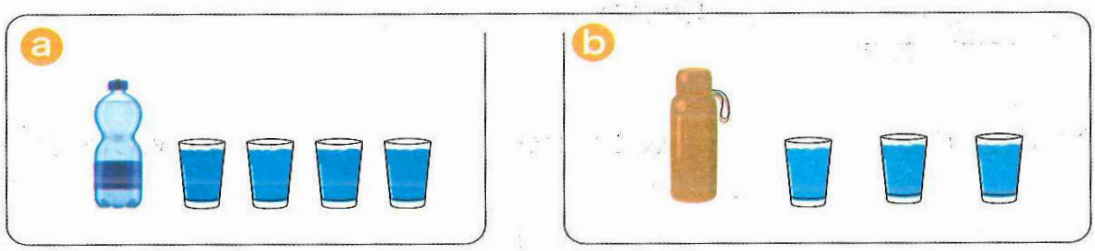


(2) Circle the one that has more water:



Ex (4):

Look at the pictures and answer the questions:



① How many cups can a hold? _____ cups.

② How many cups can b hold? _____ cups.

③ Which one holds more, a or b? _____ holds more.

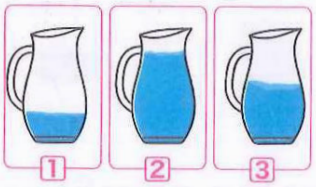
④ How much more? _____ - _____ = _____

Ex (5):

(1) Arrange the following cups from most to least water:

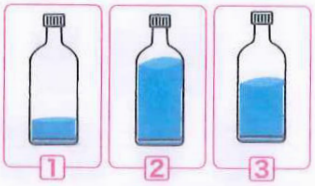
a 

Order: Cup _____ , Cup _____ , Cup _____

b 

Order: Cup _____ , Cup _____ , Cup _____

(2) Arrange the following cups from least to most water:

a 

Order: Bottle _____ , Bottle _____ , Bottle _____

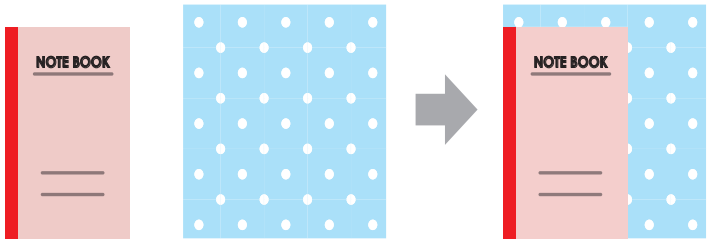
b 

Order: Cup _____ , Cup _____ , Cup _____

Which Is Larger

When comparing areas, line up the edges and put them on top of each other.

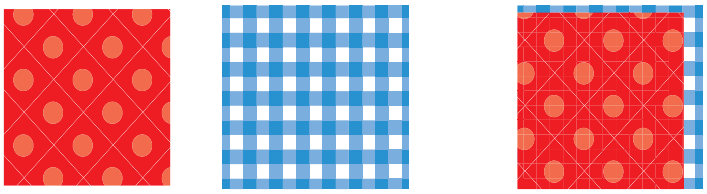
Compare the area of the notebook and the handkerchief.



→ **The handkerchief** is larger in area.

Example (1):

(1) Which is larger in area, the red paper or the blue paper?



(1) Blue paper

(2) Arrange from the largest area to the smallest area.

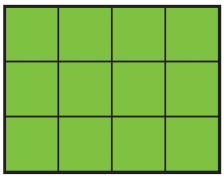
A 

B

C 

(2) B, A, C

You can compare the areas by using "how many units".

A  B 

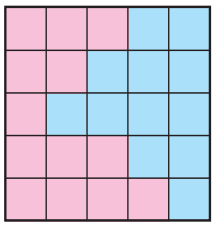
• The area of A is 12  .

• The area of B is 10  .

⟶ A is larger in area.

Example (2):

Reem and Sami colored the shape, and this is what it looked like on the right.



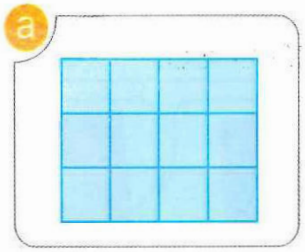
(1) How many units did Reem color? 13 units

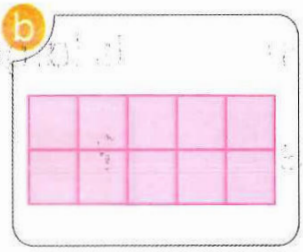
(2) How many units did Sami color? 12 units

(3) The one with the larger area wins. Which one wins? Reem

Example (3):

(1) Which is larger in area?



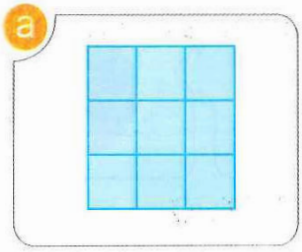


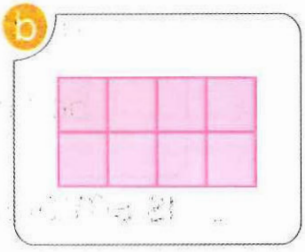
The area of a = 12 

The area of b = 10 

So, a is larger in area.

(2) Which is larger in area?





The area of a = _____ 

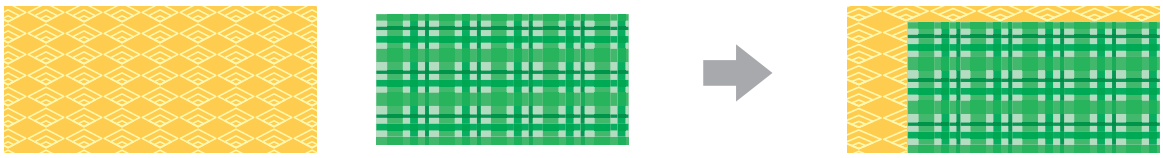
The area of b = _____ 

So, _____ is larger in area.

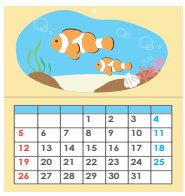
Home work H.W

Ex (1):

(1) Which is larger in area, the yellow paper or the green paper?

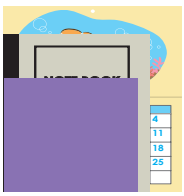


(2) Arrange from the largest area to the smallest area.

A 

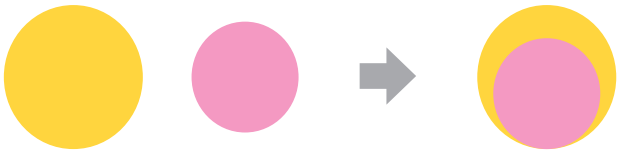
B 

C 

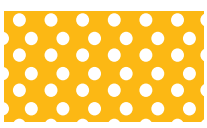


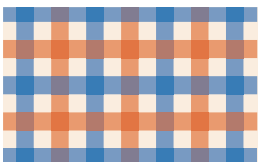
(3) Which is larger in area, the blue paper or the green paper?

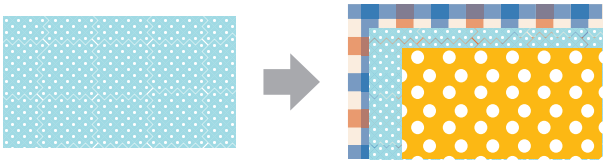
(4) Which is larger in area, the yellow circle or the pink circle?



(5) Arrange from the largest area to the smallest area.

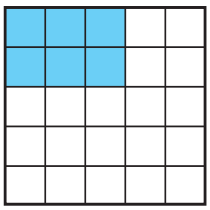
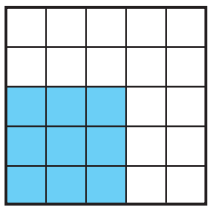
A 

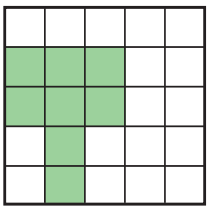
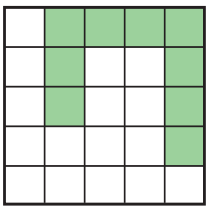
B 

C 

Ex (2):

(1) Which colored part is larger?

① A  B 

② A  B 

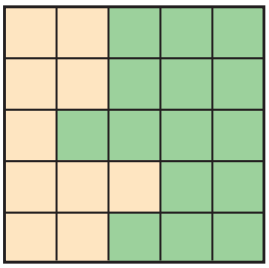
(2) Dina and Ahmed colored the shape, and this is what it looked like on the right.

① How many units did Dina color?

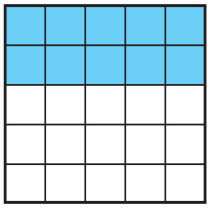
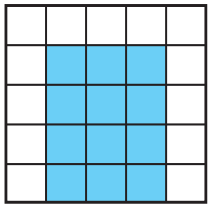
② How many units did Ahmed color?

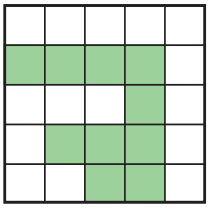
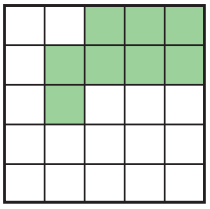
③ The one with the larger area wins.

Which one wins?



(3) Which colored part is larger?

① A  B 

② A  B 

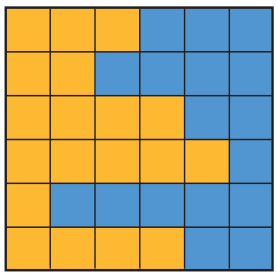
(4) Heba and Gamal colored the shape, and this is what it looked like on the right.

① How many units did Heba color?

② How many units did Gamal color?

③ The one with the larger area wins.

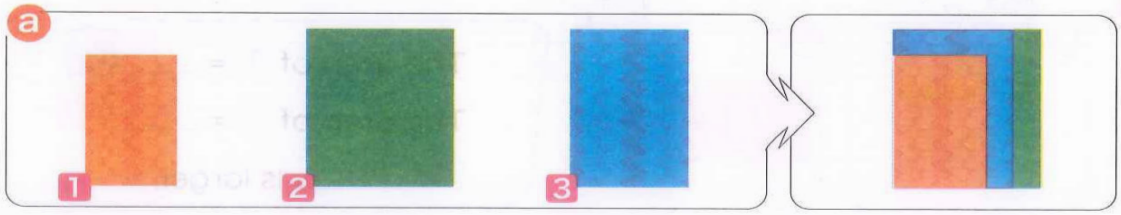
Which one wins?



Ex (3):

(1) Arrange by area:

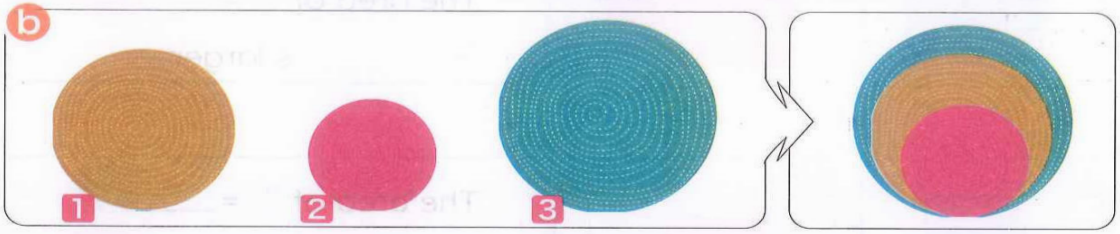
a



1 Order from the **smallest** to the **largest**: ....., ..., ...

2 Order from the **largest** to the **smallest**: ....., ..., ...

b

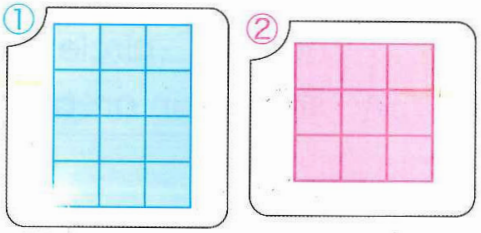


1 Order from the **smallest** to the **largest**: ....., ..., ...

2 Order from the **largest** to the **smallest**: ....., ..., ...

(2) Which is larger in area?

a

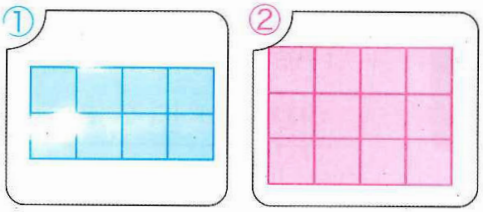


The area of ① = ...

The area of ② = ...

So, ... is larger.

b

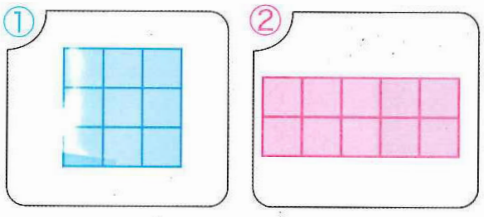


The area of ① = ...

The area of ② = ...

So, ... is larger.

c



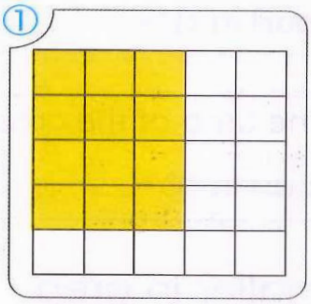
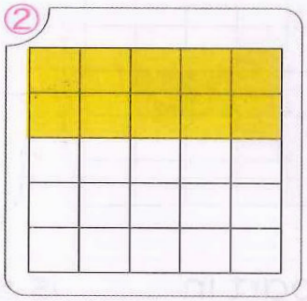
The area of ① = ...

The area of ② = ...

So, ... is larger.

Ex (4):

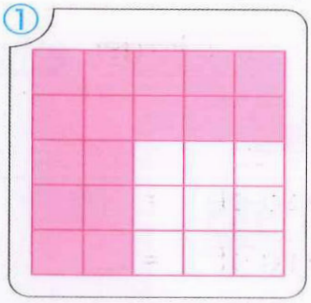
(1) Which colored part is larger?

a ①  ② 

The area of the colored part in ① = _____

The area of the colored part in ② = _____

The colored part in _____ is larger in area.

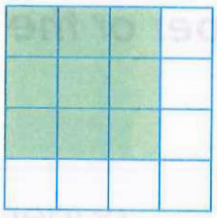
b ①  ② 

The area of the colored part in ① = _____

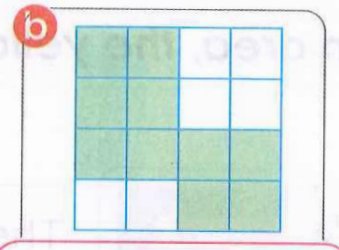
The area of the colored part in ② = _____

The colored part in _____ is larger in area.

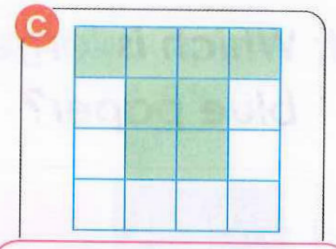
(2) Arrange the shapes by their colored areas:

a 

The area of the colored part = _____

b 

The area of the colored part = _____

c 

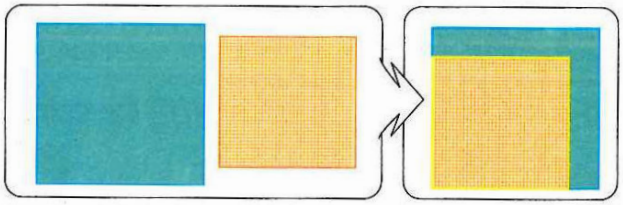
The area of the colored part = _____

1 Order from the **smallest** to the **largest**: _____ , _____ , _____

2 Order from the **largest** to the **smallest**: _____ , _____ , _____

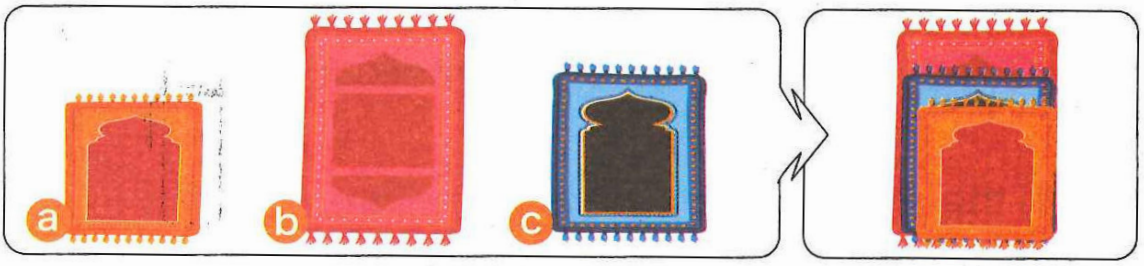
Ex (5):

(1) ***Which is larger in area, the yellow paper or the blue paper?***



The _____ paper is larger in area.

(2) ***Arrange by area, from the largest to the smallest:***



(3) ▶ Order from the **largest** to the **smallest**: _____ , _____ , _____

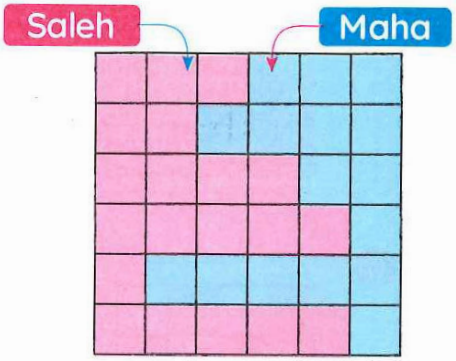
Saleh and Maha colored the shape, and this is what it looked like on the right.

a How many units did Saleh color?

_____

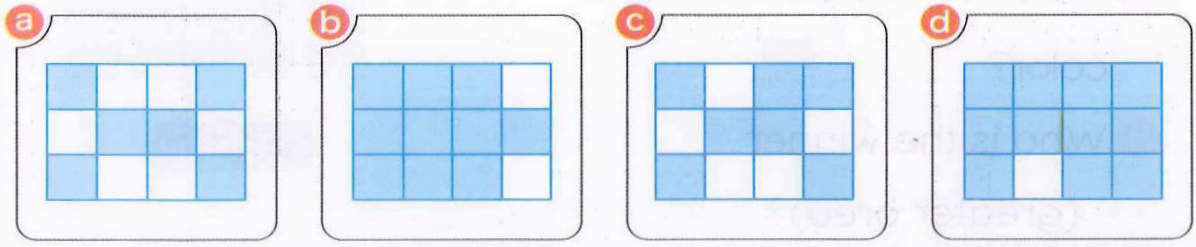
b How many units did Maha color?

_____

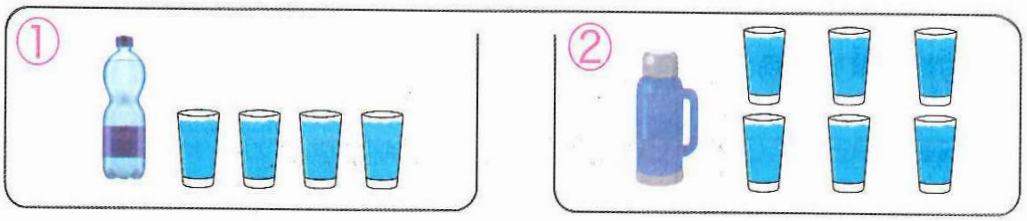


c Who is the winner (larger area)? _____

(4) Which shape has the least colored area?



(5) Look at the pictures and answer the questions:



a How many cups can ① hold? _____ cups.

b How many cups can ② hold? _____ cups.

c Which one holds more, ① or ②? _____ holds more.

d How much more? _____ - _____ = _____

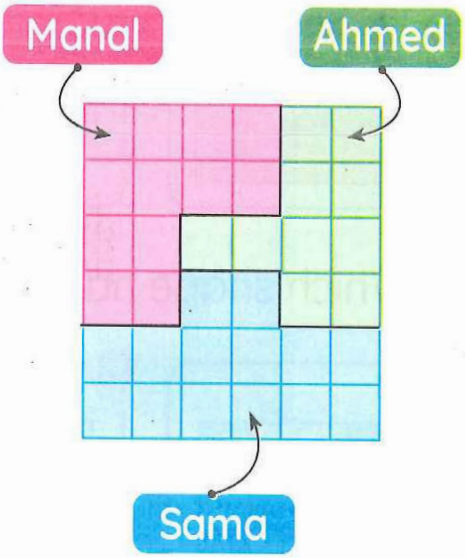
(6) Manal, Ahmed, and Sama colored the shape, and this is what it looked like on the right:

a How many units did Manal color? _____

b How many units did Ahmed color? _____

c How many units did Sama color? _____

d Who is the winner (greater area)? _____



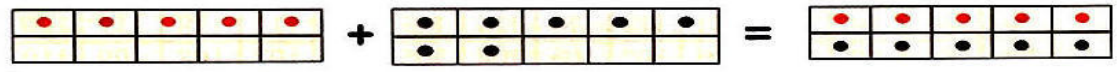
Chapter 12 Addition by Making 10 **Lesson (1)(2)**

Addition

Remember components of 10

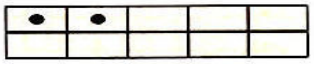
Example (1):

5 + 7 = ...



Solution

5 + 5 2 = 10 + 2 = 12



We analyse any of the two numbers into two numbers, one of which completes ten with the other

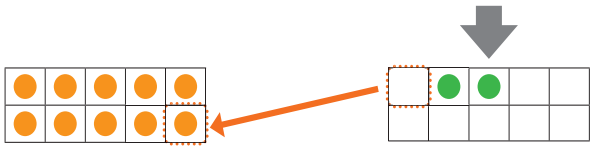
a) 7 + 7 = ... Solution 7 + 3 4 = 10 + 4 = ...

b) 5 + 9 = ... Solution 5 + 5 4 = 10 + ... = ...

c) 6 + 5 = ... Solution 6 + ... = ... + ... = ...

Example (2):

9 + 3 = 12



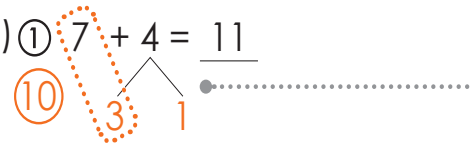
10 + 2 = 12

Example (3):

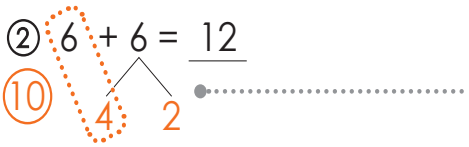
(1) Let's do addition.

① 7 + 4 ② 6 + 6

(1) ① 7 + 4 = 11



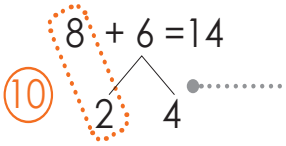
② 6 + 6 = 12



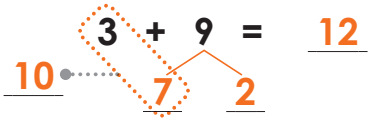
(2) There are 8 red flowers and 6 white flowers. How many flowers are there in all? Write the mathematical sentence and the answer.

(2) Mathematical sentence : 8 + 6 = 14

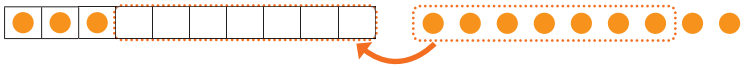
Answer: 14 flowers

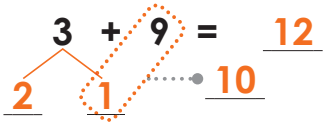


Example (4):



3 needs 7 more to make 10, so...





9 needs 1 more to make 10, so...

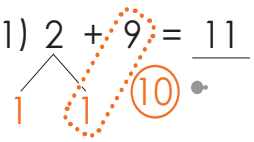
Example (5):

Let's do addition.

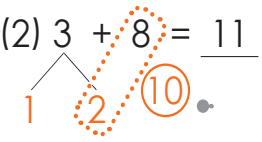
(1) 2 + 9 (2) 3 + 8

(3) 5 + 7 (4) 8 + 9

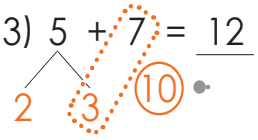
(1) 2 + 9 = 11



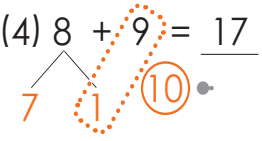
(2) 3 + 8 = 11



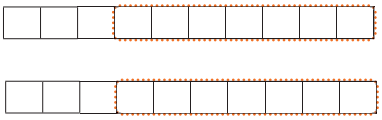
(3) 5 + 7 = 12

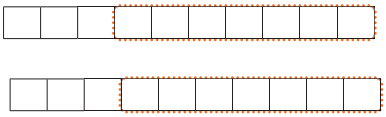


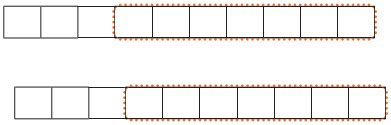
(4) 8 + 9 = 17

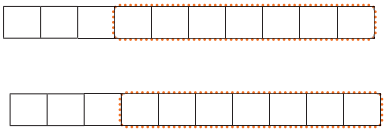


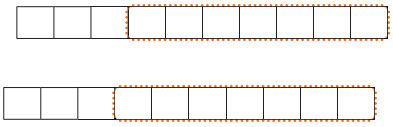
Example (6):

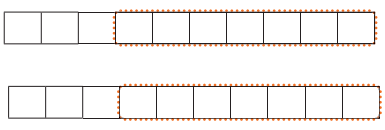
5 + 7	
.....	

9 + 6	
15	

10 + 4	
.....	

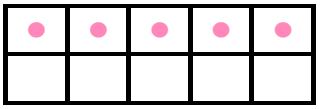
8 + 3	
.....	

9 + 7	
.....	

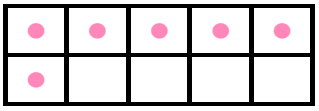
4 + 8	
.....	

* Notice Family (10)

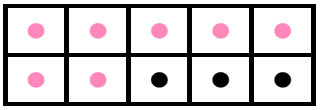
5 + 5 = 10



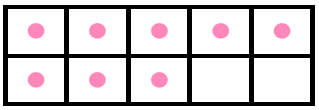
6 + ... = 10



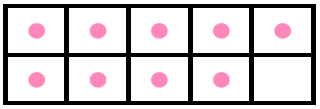
7 + 3 = 10



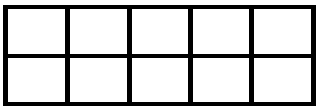
8 + ... = 10



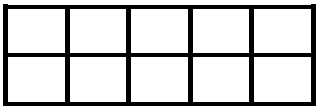
9 + ... = 10



4 + ... = 10



2 + ... = 10

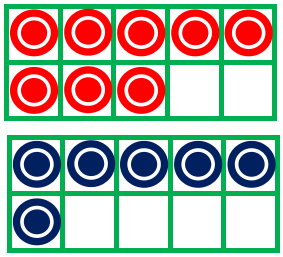


Home work H.W

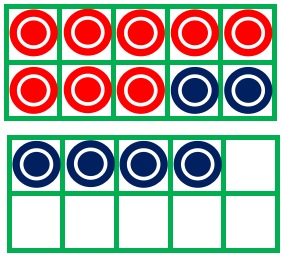
Ex (1):

Make a 10 to add:

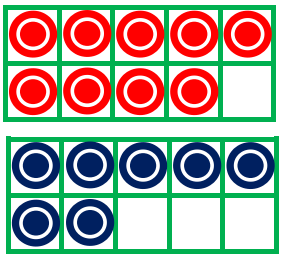
8 + 6 = 14



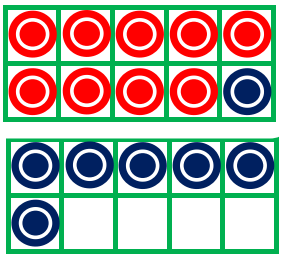
10 + 4 = 14



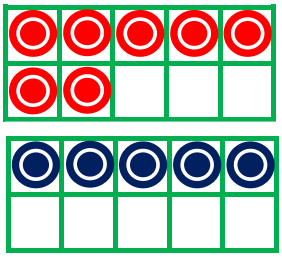
9 + 7 = ...



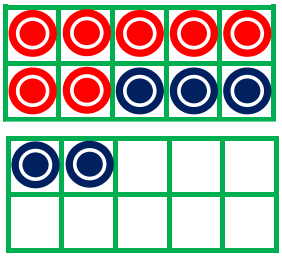
10 + 6 = ...



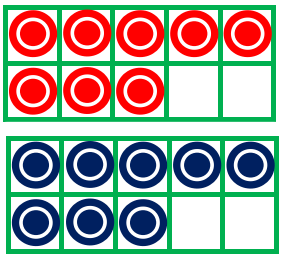
7 + 5 = ...



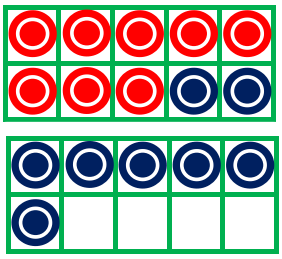
10 + 2 = ...



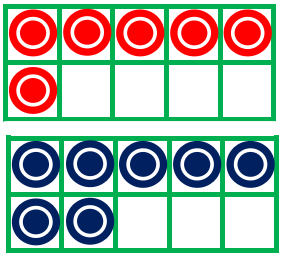
8 + 8 = ...



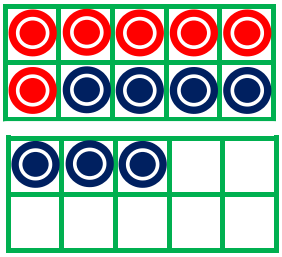
10 + 6 = ...



6 + 7 = ...



10 + 3 = ...



Ex (2):

Make a 10 to add:

6 + 8 = ... Solution 6 + (4 / 4) = 10 + 4 = 14

a) 9 + 7 = ... Solution 9 + (1 / 6) = 10 + ... = ...

b) 6 + 6 = ... Solution 6 + (4 / ...) = 10 + ... = ...

c) 7 + 8 = ... Solution 7 + (... / ...) = ... + ... = ...

d) 4 + 9 = ... Solution 4 + (... / ...) = ... + ... = ...

e) 8 + 3 = ... Solution 8 + (... / ...) = ... + ... = ...

Ex (3):

Make a 10 to add:

8 + 4 = ... → 10 + ... = ...		6 + 9 = ... → 10 + ... = ...	
9 + 9 = ... → 10 + ... = ...		4 + 8 = ... → 10 + ... = ...	
7 + 4 = ... → 10 + ... = ...		8 + 7 = ... → 10 + ... = ...	
5 + 9 = ... → 10 + ... = ...		6 + 6 = ... → 10 + ... = ...	
3 + 8 = ... → 10 + ... = ...		7 + 9 = ... → 10 + ... = ...	
7 + 7 = ... → 10 + ... = ...		5 + 6 = ... → 10 + ... = ...	

Ex (4):

(1) Let's do addition.

① 7 + 5 ② 6 + 5 ③ 9 + 6

④ 8 + 8 ⑤ 9 + 7 ⑥ 7 + 7

(2) There are 9 children. If 4 more children come, how many children will there be in total? Write the mathematical sentence and the answer.

(3) You have 8 cookies. You got 6 more cookies. How many cookies do you have in all? Write the mathematical sentence and the answer.

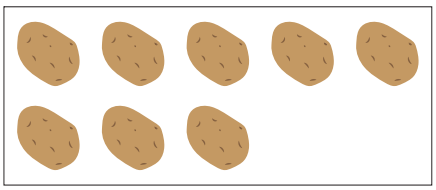
(4) Let's do addition.

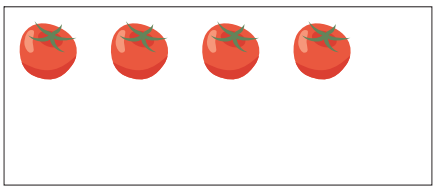
① 7 + 6 ② 8 + 3 ③ 9 + 5

④ 8 + 7 ⑤ 9 + 8 ⑥ 9 + 9

(5) There are 9 dogs. 2 more dogs came. How many dogs are there in all? Write the mathematical sentence and the answer.

(6) How many potatoes and tomatoes are there in total? Write the mathematical sentence and the answer.





Ex (6):

(1) Let's look at two ways to calculate 4 + 9.

Tell us what numbers go in the ☐ .

❶ 4 needs ☐ more to make 10. ❷ Split 9 into ☐ and ☐ . ❸ Add ☐ to 4 to make 10. ❹ 10 and ☐ make ☐ .	❶ 9 needs ☐ more to make 10. ❷ Split 4 into ☐ and ☐ . ❸ Add ☐ to 9 to make 10. ❹ 10 and ☐ make ☐ .

(2) Let's do addition.

① 6 + 9	② 4 + 8	③ 5 + 6
④ 7 + 4	⑤ 8 + 8	⑥ 5 + 9

(3) There are 7 adults. There are 8 children. How many people are there in all? Write the mathematical sentence and the answer.

(4) Let's look at two ways to calculate 5 + 8.

Tell us what numbers go in the ☐ .

❶ 5 needs ☐ more to make 10. ❷ Split 8 into ☐ and ☐ . ❸ Add ☐ to 5 to make 10. ❹ 10 and ☐ make ☐ .	❶ 8 needs ☐ more to make 10. ❷ Split 5 into ☐ and ☐ . ❸ Add ☐ to 8 to make 10. ❹ 10 and ☐ make ☐ .

(5) Let's do addition.

① 4 + 7	② 6 + 8	③ 8 + 7
④ 6 + 5	⑤ 7 + 7	⑥ 7 + 9

(6) How many tennis balls and footballs are there in total? Write the mathematical sentence and the answer.

Subtraction

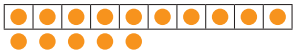
Make a 10 to subtract

Example (1):

15 – 9

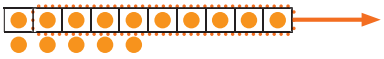
❶ You cannot subtract 9 from 5.

❷ Split **15** into **10** and **5**.



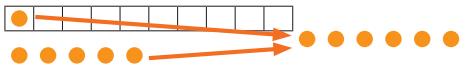
15 – 9
10 5

❸ Subtract **9** from **10** to get **1**.



15 – 9
10 5
1

❹ **1** and **5** make **6**.



15 – 9 = 6
10 5
1

15 – 9 = 6

Example (2):

Let's do substraction.

(1) 13 – 9 (2) 12 – 7

(1) 13 – 9 = 4
10 3
1

❶ You cannot subtract 9 from 3.
❷ Split 13 into 10 and 3.
❸ Subtract 9 from 10 to get 1.
❹ 1 and 3 make 4.

(2) 12 – 7 = 5
10 2
3

❶ You cannot subtract 7 from 2.
❷ Split 12 into 10 and 2.
❸ Subtract 7 from 10 to get 3.
❹ 3 and 2 make 5.

Example (3): Let's do substraction.

15 - 7 = ... Solution

a) 14 - 6 = ... Solution

b) 11 - 9 = ... Solution

c) 15 - 8 = ... Solution

Example (4): Let's do substraction.

16 – 7	14 – 6
15 – 9	13 – 7
17 – 8	15 – 6
12 – 7	16 – 8

Example (5): Let's do substraction.

11 – 2

You can calculate using the way that is easiest for you, out of the two ways.

11 - 2 = 9

10 1

8

1. You cannot subtract 2 from 1.
2. Split 11 into 10 and 1.
3. Subtract 2 from 10 to get 8.
4. 8 and 1 make 9.

11 - 2 = 9

10 1 1

9

1. You cannot subtract 2 from 1.
2. Split 2 into 1 and 1.
3. Subtract 1 from 11 to get 10.
4. Subtract 1 from 10 to get 9.

Example (6): Let's do substraction.

11 - 3 = ... Solution $11 - \begin{matrix}1\\2\end{matrix} = 10 - 2 = 8$

a) 15 - 6 = ... Solution $15 - \begin{matrix}5\\1\end{matrix} = 10 - \ldots\ldots = \ldots\ldots$

b) 14 - 9 = ... Solution $14 - \begin{matrix}4\\\ldots\end{matrix} = 10 - \ldots\ldots = \ldots\ldots$

c) 16 - 8 = ... Solution $16 - \begin{matrix}\ldots\\\ldots\end{matrix} = \ldots\ldots - \ldots\ldots = \ldots\ldots$

d) 13 - 8 = ... Solution $13 - \begin{matrix}\ldots\\\ldots\end{matrix} = \ldots\ldots - \ldots\ldots = \ldots\ldots$

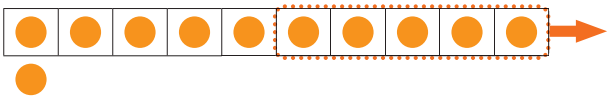
e) 18 - 9 = ... Solution $18 - \begin{matrix}\ldots\\\ldots\end{matrix} = \ldots\ldots - \ldots\ldots = \ldots\ldots$

Home work H.W

Ex (1):

(1) Let's look at how to calculate 11 − 5.

Tell us what numbers go in the ☐.



❶ You cannot subtract 5 from 1.
❷ Split 11 into ☐ and ☐.
❸ Subtract ☐ from 10 to get ☐.
❹ ☐ and ☐ make ☐.

(2) Let's do substraction.

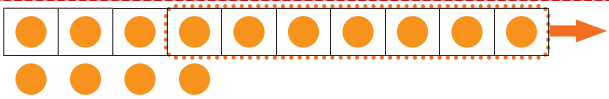
① 17 − 9 ② 13 − 7 ③ 15 − 8

④ 12 − 5 ⑤ 11 − 7 ⑥ 14 − 9

(3) You have 11 oranges. If you eat 4 oranges, how many are left? Write the mathematical sentence and the answer.

(4) Let's look at how to calculate 14 − 7.

Tell us what numbers go in the ☐.



❶ You cannot subtract 7 from 4.
❷ Split 14 into ☐ and ☐.
❸ Subtract ☐ from 10 to get ☐.
❹ ☐ and ☐ make ☐.

(5) Let's do substraction.

① 14 − 8 ② 11 − 6 ③ 12 − 9

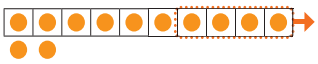
④ 16 − 9 ⑤ 12 − 8 ⑥ 13 − 8

(6) There are 13 dogs and 6 cats. Which one has more, and by how many? Write the mathematical sentence and the answer.

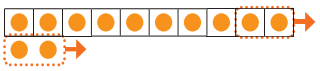
Ex (2):

(1) Let's look at two ways to calculate 12 − 4.

Tell us what numbers go in ☐.



❶ You cannot subtract 4 from 2.
❷ Split 12 into ☐ and ☐.
❸ Subtract ☐ from 10 to get ☐.
❹ ☐ and ☐ make ☐.



❶ You cannot subtract 4 from 2.
❷ Split 4 into ☐ and ☐.
❸ Subtract ☐ from ☐ to get ☐.
❹ Subtract ☐ from ☐ to get ☐.

(2) Let's do subtract.

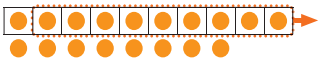
① 11 − 3　② 15 − 8　③ 14 − 6

④ 17 − 8　⑤ 12 − 5　⑥ 13 − 5

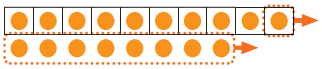
(3) You have 12 strawberries. If you eat 3 strawberries, how many are left? Write the mathematical sentence and the answer.

(4) Let's look at two ways to calculate 18 − 9.

Tell us what numbers go in ☐.



❶ You cannot subtract 9 from 8.
❷ Split 18 into ☐ and ☐.
❸ Subtract ☐ from 10 to get ☐.
❹ ☐ and ☐ make ☐.



❶ You cannot subtract 9 from 8.
❷ Split 9 into ☐ and ☐.
❸ Subtract ☐ from ☐ to get ☐.
❹ Subtract ☐ from ☐ to get ☐.

(5) Let's do subtract.

① 15 − 7　② 11 − 4　③ 16 − 7

④ 13 − 6　⑤ 16 − 8　⑥ 14 − 5

(6) You have 15 watermelons and 6 melons. Which one has more, and by how many? Write the mathematical sentence and the answer.

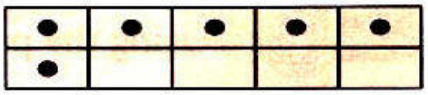
Ex (3):

Find the result of the following :

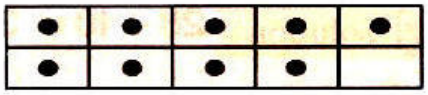
8 + 9 = ...	11 + 9 = ...	13 + 6 = ...	14 + 7 = ...	13 + 5 = ...
9 − 9 = ...	13 − 4 = ...	10 − 9 = ...	12 − 7 = ...	14 − 6 = ...

(4) Complete the following :

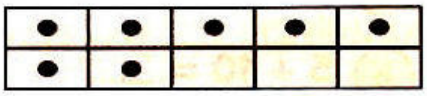
(1) 6 + ... = 10



(2) 9 + ... = 10



(3) 7 + ... = 10



(4) 7 + 7 = ...

Solution

$7 + \boxed{\begin{matrix}3\\4\end{matrix}} = 10 + 4 = ...$

(5) 5 + 9 = ...

Solution

$5 + \boxed{\begin{matrix}5\\4\end{matrix}} = 10 + ... = ...$

(6) 6 + 5 = ...

Solution

$6 + \boxed{\begin{matrix}...\\...\end{matrix}} = ... + ... = ...$

(7) Mokhtar has 6  in a bottle and 8  in another bottle .
How many  which Mokhtar has ?

Number of  = ... + ... = ... 

(8) Rady saw 2  on the table and 3  under it .
How many  are there ?

Number of  = ... + ... = ... 

Ex (5): Answer the following as in (a) :

(a) **Salma** catch 18  she cooked 10 of them ,

How many  remained ?

We start with the smallest number 10 then count on the skipping up to 18
So we get 8

Solution Number of  = 18 - 10 = 8

(b) **Ahmed** has 15  he put 6 in water . How many  remained ?

Solution Number of  = ... - ..... = ... 

(c) **Mostafa** bought 16  he put 6  on the table .

How many  with him ?

Solution Number of  = ... - ..... = ... 

(d) With **Rashida** 13  , she gave her father 3  .

How many  left with her?

Solution Number of  = ... - ..... = ... 

(e) With **Laila** 17  and she gave her sister 10  .

How many  remained with **Laila**?

Solution Number of remaining  = ... - ..... = ... 

Ex (6):

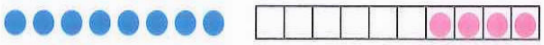
Add by making 10. Use two ways:

a 8 + 4

First Way

① 8 needs ..... more to make 10.
② Split 4 into ..... and .....
③ Add ..... to ..... to make .....
④ ..... and ..... make .....

8 + 4
= 8 + ... + ...
= 10 + ...
= .....



Second Way

① 4 needs ..... more to make 10.
② Split 8 into ..... and .....
③ Add ..... to ..... to make .....
④ ..... and ..... make .....

8 + 4
= ..... + ... + 4
= ..... + 10
= .....

b 5 + 6

First Way

① 5 needs ..... more to make 10.
② Split 6 into ..... and .....
③ Add ..... to ..... to make .....
④ ..... and ..... make .....

5 + 6
= 5 + ... + ...
= 10 + ...
= .....

Second Way

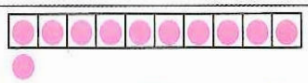
① 6 needs ..... more to make 10.
② Split 5 into ..... and .....
③ Add ..... to ..... to make .....
④ ..... and ..... make .....

5 + 6
= ..... + ... + 6
= ..... + 10
= .....

Ex (7):

Use two ways to calculate:

a 11 - 7



First Way

We cannot subtract 7 from 1.

① Split 11 into ..... and ..... .

② Subtract ..... from 10 to get ..... .

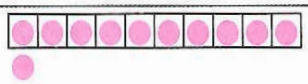
③ ..... and ..... make ..... .

11 - 7

= ..... + ... - 7

= ..... + ...

= .....



Second Way

We cannot subtract 7 from 1.

① Split 7 into ..... and ..... .

② Subtract ..... from ..... to get ..... .

③ Subtract ..... from ..... to get ..... .

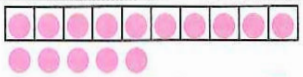
11 - 7

= 11 - ..... - .....

= ..... - .....

= .....

b 15 - 9



First Way

We cannot subtract 9 from 5.

① Split 15 into ..... and ..... .

② Subtract ..... from ..... to get ..... .

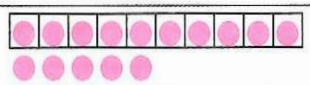
③ ..... and ..... make ..... .

15 - 9

= ..... + ... - 9

= ..... + ...

= .....



Second Way

We cannot subtract 9 from 5.

① Split 9 into ..... and ..... .

② Subtract ..... from ..... to get ..... .

③ Subtract ..... from ..... to get ..... .

15 - 9

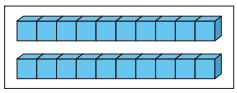
= 15 - ..... - .....

= ..... - .....

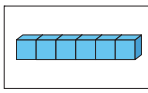
= .....

Making Groups of 10
How Many 10s and How Many 1s

Example (1):

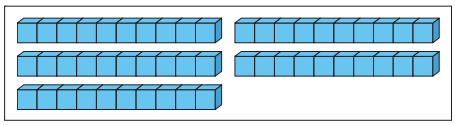


20



6

20 and 6 make **26** twenty-six

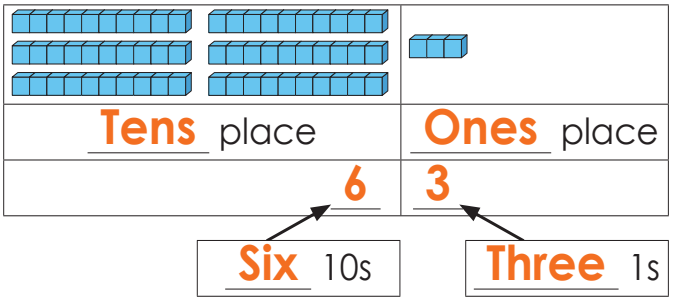


50

5 groups of 10 make **50** fifty

Example (2):

What is 63 like?



Example (3):

Model and Draw

What does 23 mean?

Tens	Ones
	

The 2 in 23 has a value of 2 tens, or 20.
The 3 in 23 has a value of 3 ones, or 3.

2 tens 3 ones

20 + 3

Example (4): Describe the number in two ways.

1. 37

_____ tens _____ ones

_____ + _____

2. 54

_____ tens _____ ones

_____ + _____

3. 16

_____ ten _____ ones

_____ + _____

4. 60

_____ tens _____ ones

_____ + _____

5. 48

_____ tens _____ ones

_____ + _____

6. 31

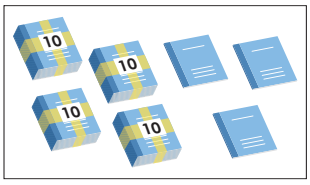
_____ tens _____ one

_____ + _____

Example (5):

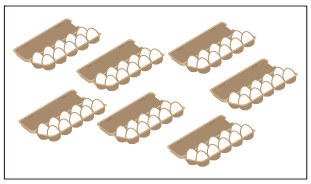
Count the numbers and write the numerals.

(1)



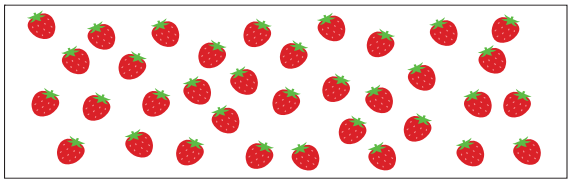
(1) 4 groups of 10 make 40. 40 and 3 make 43 .

(2)

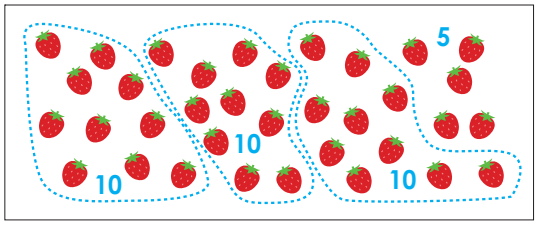


(2) 7 groups of 10 make 70 .

(3)



(3) Think by making groups of 10.
3 groups of 10 make 30,
30 and 5 make 35 .



Example (6):

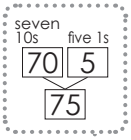
Let's write a number in ☐.

(1) Seven 10s are ☐, five 1s are ☐, 70 and 5 make ☐.

(2) Nine 10s are ☐.

(3) The number that has 5 in the tens place and 3 in the ones place is ☐.

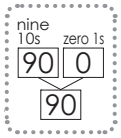
(4) The digit in the tens place of 80 is ☐, and the digit in the ones place is ☐.



How to Solve

(1) Seven 10s are 70, five 1s are 5, 70 and 5 make 75.

(2) Nine 10s are 90.



(3) The number that has 5 in the tens place and 3 in the ones place is 53.

(4) The digit in the tens place of 80 is 8, and the digit in the ones place is 0.

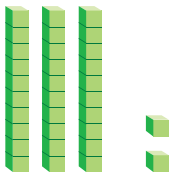
tens place	ones place
8	0

tens place	ones place
5	3

Example (7):

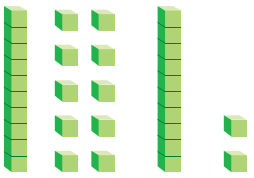
Model and Draw

These are some different ways to show 32.



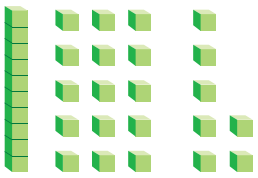
3 tens 2 ones

30 + 2



2 tens 12 ones

20 + 12



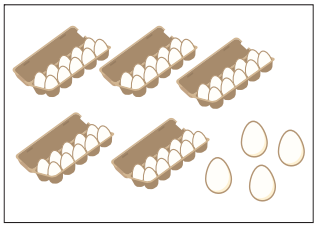
1 ten 22 ones

10 + 22

Example (8):

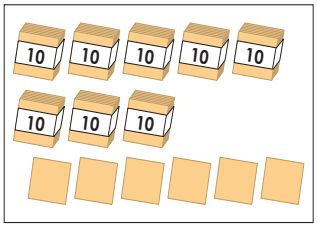
Count the numbers and write the numerals.

(1)



☐

(2)

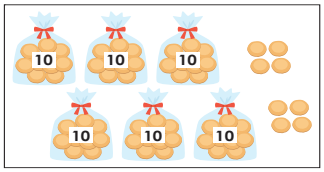


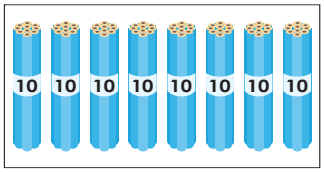
☐

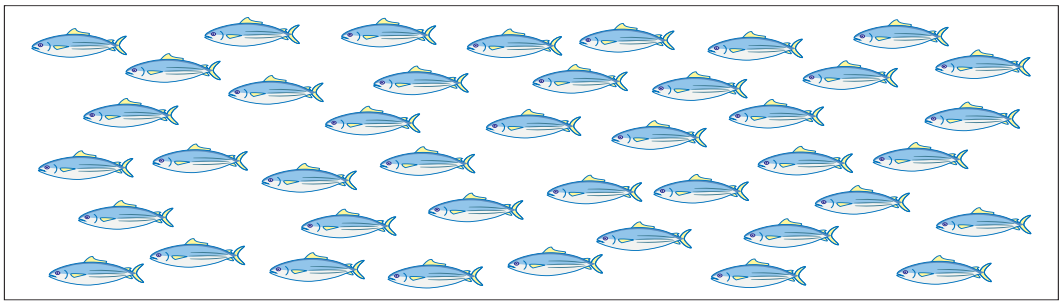
Home work H.W

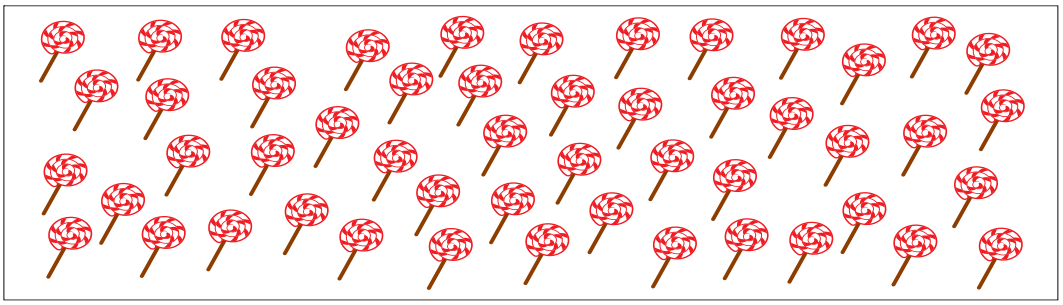
Ex (1):

Count the numbers and write the numerals.

(1) 

(2) 

(3) 

(4) 

Ex (2):

Let's write a number in ☐.

(1) Six 10s are ☐, seven 1s are ☐, 60 and 7 make ☐.

(2) Eight 10s are ☐.

(3) 59 is ☐ tens and ☐ ones.

(4) The number that has 8 in the tens place and 7 in the ones place is ☐.

(5) The digit in the tens place of 90 is ☐, and the digit in the ones place is ☐.

Ex (3):

Let's write a number in ☐.

(1) Eight 10s are ☐, six 1s are ☐, 80 and 6 make ☐.

(2) Seven 10s are ☐.

(3) 43 is ☐ tens and ☐ ones.

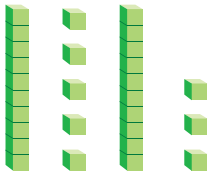
(4) The number that has 5 in the tens place and 7 in the ones place is ☐.

(5) The digit in the tens place of 60 is ☐, and the digit in the ones place is ☐.

Ex (4):

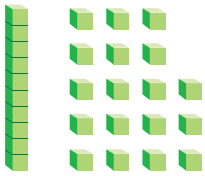
The blocks show the numbers in different ways.Describe the blocks in two ways.

1. 28



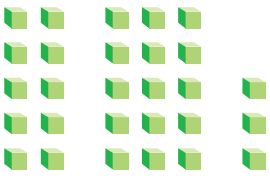
_____ tens _____ ones

_____ + _____



_____ ten _____ ones

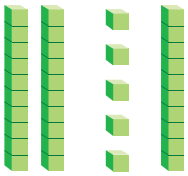
_____ + _____



_____ tens _____ ones

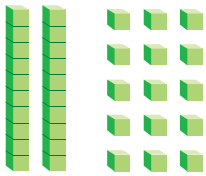
_____ + _____

2. 35



_____ tens _____ ones

_____ + _____



_____ tens _____ ones

_____ + _____

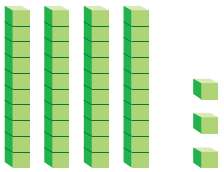
_____ tens _____ ones

_____ + _____

Ex (5):

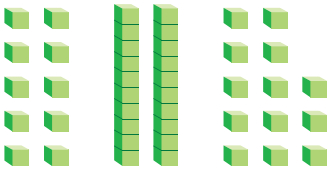
The blocks show the numbers in different ways.

3. 43



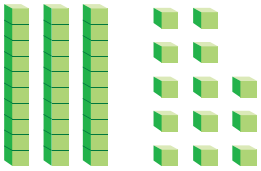
_____ tens _____ ones

_____ + _____



_____ tens _____ ones

_____ + _____



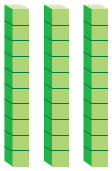
_____ tens _____ ones

_____ + _____

4. 30

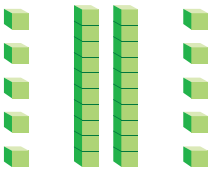
_____ tens _____ ones

_____ + _____



_____ tens _____ ones

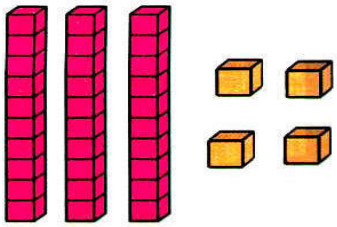
_____ + _____



_____ tens _____ ones

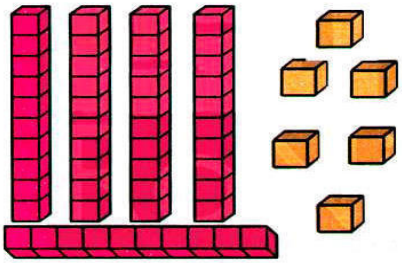
_____ + _____

Ex (6):



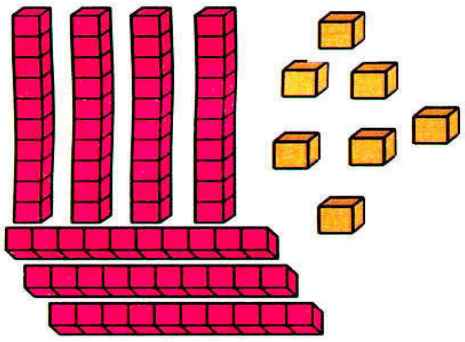
3 tens + 4 = 34

..... + ... = ...



..... tens + ... = ...

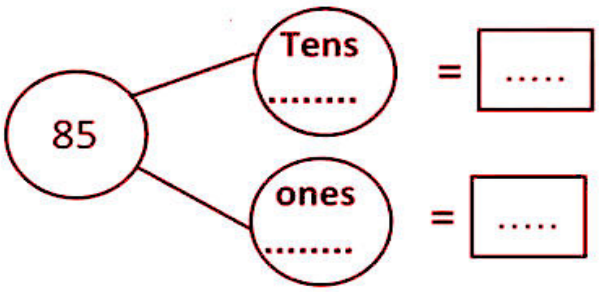
..... + ... = ...

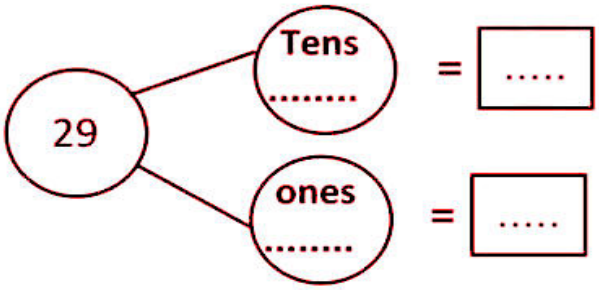


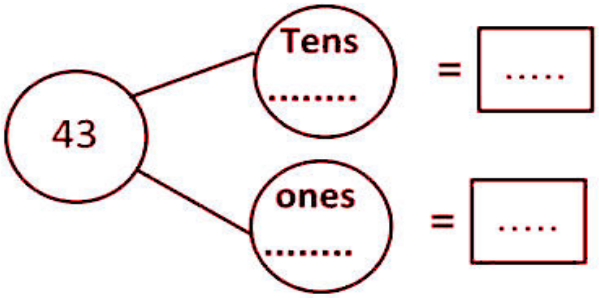
..... tens + ... = ...

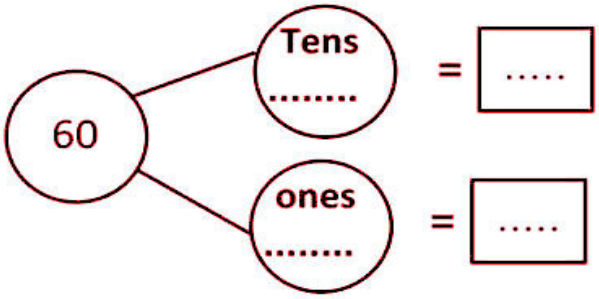
..... + ... = ...

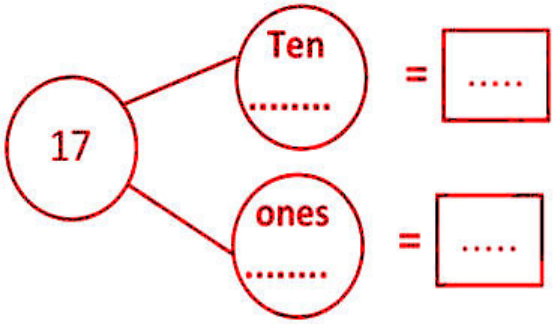
Ex (7):

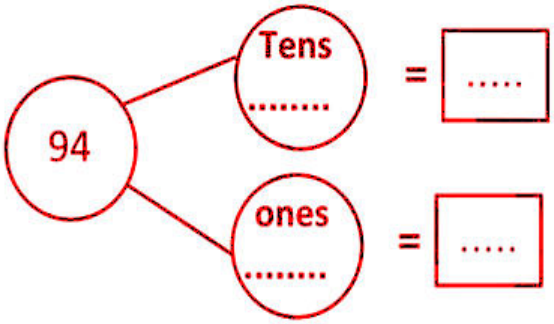

85
Tens
.....
=
.....
ones
.....
=
.....

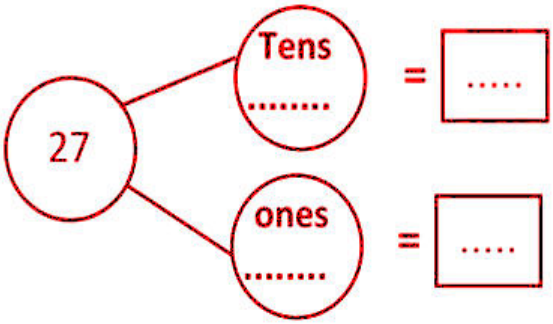

29
Tens
.....
=
.....
ones
.....
=
.....

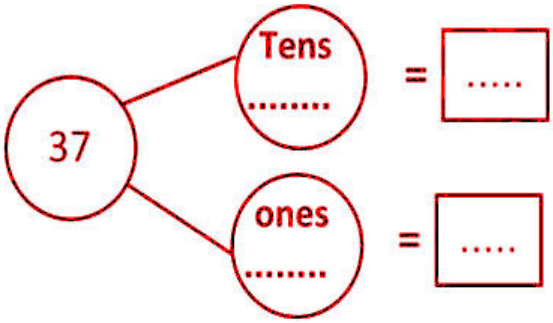

43
Tens
.....
=
.....
ones
.....
=
.....

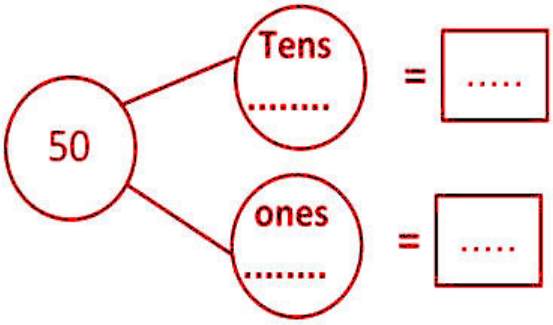

60
Tens
.....
=
.....
ones
.....
=
.....

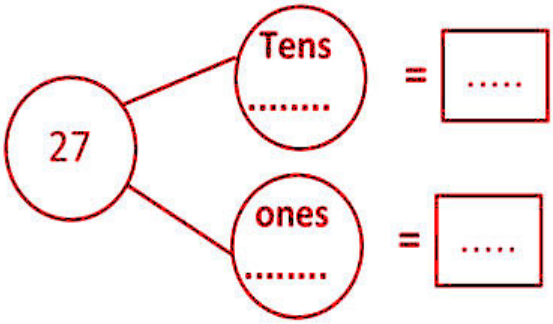

17
Ten
.....
=
.....
ones
.....
=
.....


94
Tens
.....
=
.....
ones
.....
=
.....


27
Tens
.....
=
.....
ones
.....
=
.....


37
Tens
.....
=
.....
ones
.....
=
.....


50
Tens
.....
=
.....
ones
.....
=
.....


27
Tens
.....
=
.....
ones
.....
=
.....

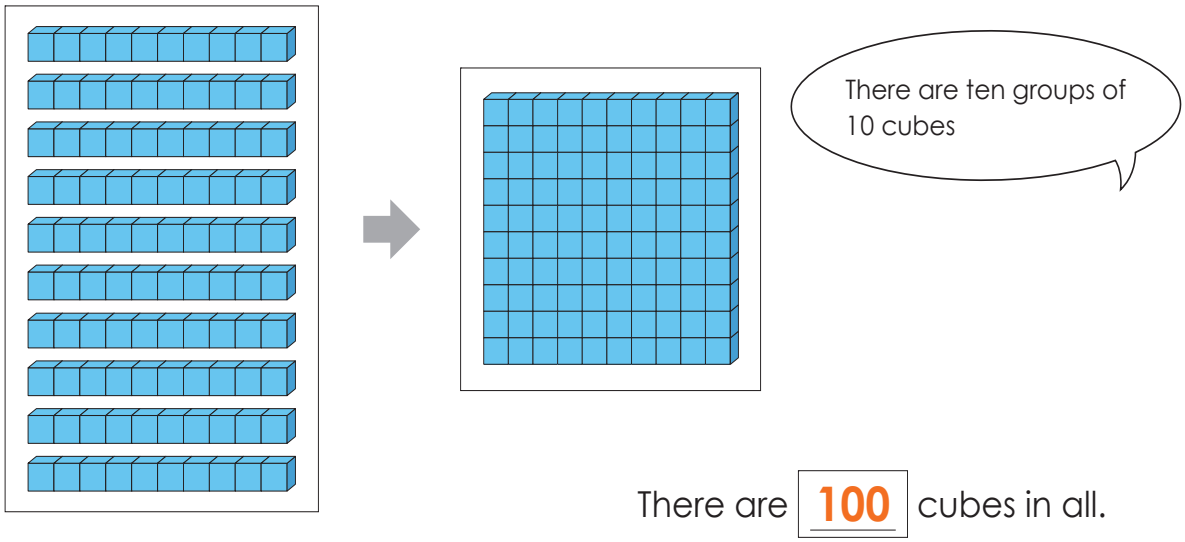
Ten 10s

How Numbers are Arranged up to 100

Ten 10s

Ten 10s are called **one hundred** . We write one hundred as **100** .

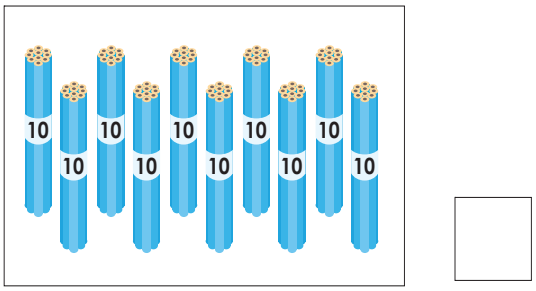
100 is **1** more than 99.



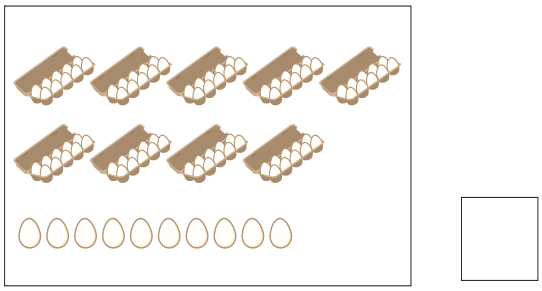
There are **100** cubes in all.

Example (1):

(1) Write the number of pencils.



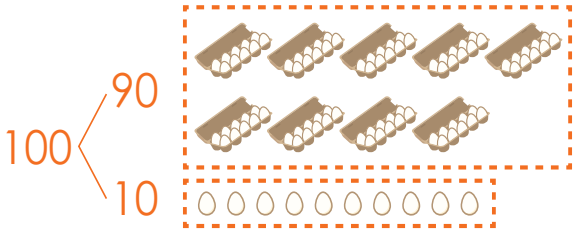
(2) Write the number of eggs.



(1) Ten 10s are 100 .

(2) Nine 10s are 90. Ten 1s are 10.

90 and 10 make 100 .



Example (2):

Rules for how numbers are arranged up to 100

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99
100									

The number that has 5 in the ones place is...

- They are lined up **vertically**.
- The numbers in tens place go from 0, 1, 2, 3... to 9, the numbers increase by **10** as they go down.

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99
100									

The number that has 7 in the tens place is...

- They are lined up **horizontally**.
- The numbers in ones place go from 0, 1, 2... to 9, the numbers increase by **1** as they go to the right.

Example (3):

(1) Look at the chart on the right and answer the questions.

① What is the rule for how the numbers that have 2 in the ones place are arranged?

② What is the rule for how the numbers that have 4 in the tens place are arranged?

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99
100									

(2) Look at the chart on the right and tell us what number goes in ■.

24	25	26	27	28
34	35		37	38
44		■		48
54	55		57	58
64	65	66	67	68

(1) ① They are lined up vertically, and they increase by 10 as they go down.

② They are lined up horizontally, and they increase by 1 as they go to the right.

	①									
	0	1	2	3	4	5	6	7	8	9
	10	11	12	13	14	15	16	17	18	19
	20	21	22	23	24	25	26	27	28	29
	30	31	32	33	34	35	36	37	38	39
②	40	41	42	43	44	45	46	47	48	49
	50	51	52	53	54	55	56	57	58	59
	60	61	62	63	64	65	66	67	68	69
	70	71	72	73	74	75	76	77	78	79
	80	81	82	83	84	85	86	87	88	89
	90	91	92	93	94	95	96	97	98	99
	100									

(2) The horizontal rule is 44, 45, 46.

The vertical rule is 26, 36, 46.

Answer: 46

24	25	26	27	28
34	35	36	37	38
44	45	46	47	48
54	55	56	57	58
64	65	66	67	68

Example (4):

- **Look at the following chart and answer the questions:**

a. What is the rule for how the numbers that have **5** in the **ones** place are arranged?

b. What is the rule for how the numbers that have **6** in the **tens** place are arranged?

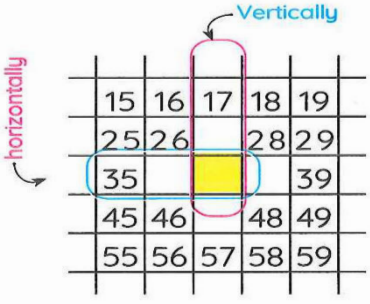
0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99
100									

a. The numbers are lined up **vertically**, and they **increase** by **10** as they go **down.**

b. The numbers are lined up **horizontally**, and they **increase** by **1** as they go to the **right.**

Example (5):

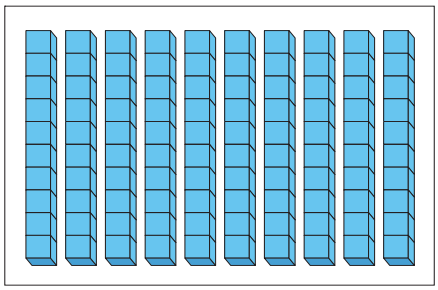
- **Look at the opposite chart and tell us what number goes in ☐.**
  - The horizontal rule is: **35, 36, 37.**
  - The vertical rule is: **17, 27, 37.**
  - Answer: **37**



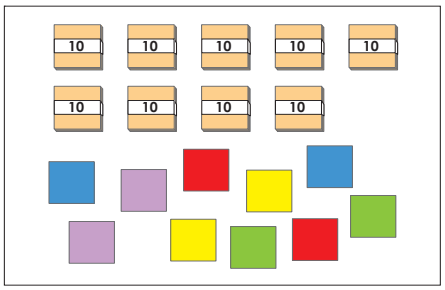
Home work H.W

Example (1):

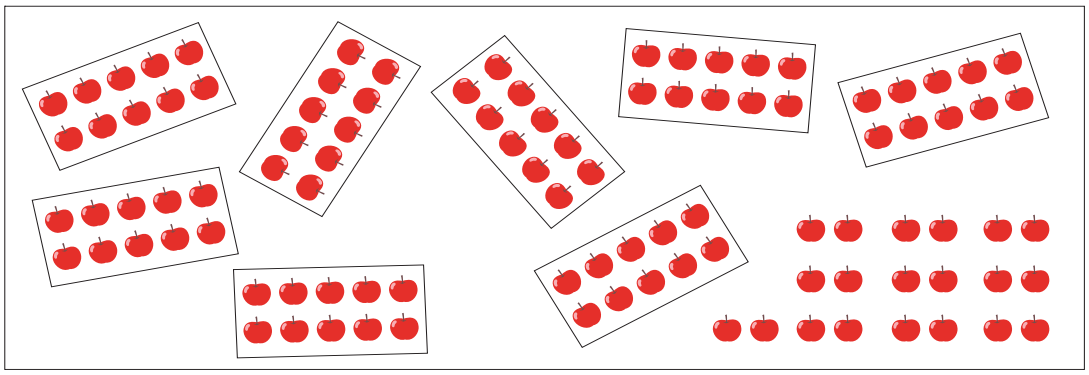
(1) Write the number of cubes.



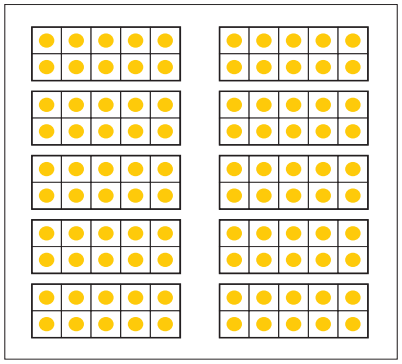
(2) Write the number of papers.



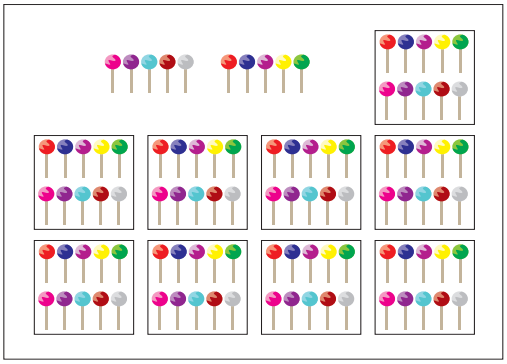
(3) Write the number of apples.



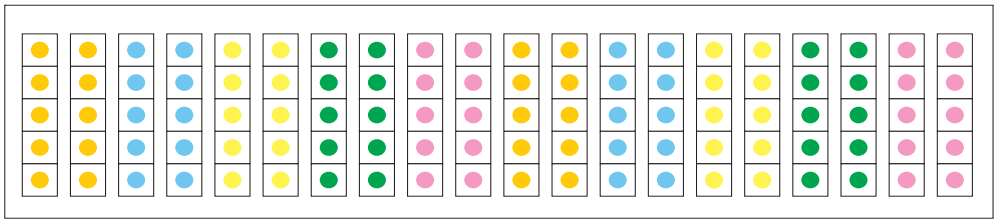
(4) Write the number of yellow circles.



(2) Write the number of candies.



(5) Write the number of colored circles.



Example (2):

Look at the following chart and answer the questions.

What is the rule for how the numbers are arranged?

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99
100									

a. Numbers that have 9 in the ones place:
   - The numbers are lined up ....., and they **increase** by ..... as they go .....

b. Numbers that have 7 in the ones place:
   - The numbers are lined up ....., and they **increase** by ..... as they go .....

c. Numbers that have 0 in the ones place:
   - The numbers are lined up ....., and they **increase** by ..... as they go .....

d. Numbers that have 8 in the tens place:
   - The numbers are lined up ....., and they **increase** by ..... as they go .....

e. Numbers that have 6 in the tens place:
   The numbers are lined up ....., and they **increase** by ..... as they go .....

f. Numbers that have 2 in the tens place:
   The numbers are lined up ....., and they **increase** by ..... as they go .....

Example (3):

Choose the number that should be placed in ☐:

a.

35	36	37
45	☐	47
55	56	57

① 46 ② 55 ③ 66 ④ 37

b.

72	73	☐
82	83	84
92	93	94

① 75 ② 74 ③ 71 ④ 47

c.

44	45	46
54	55	56
☐	65	66

① 77 ② 54 ③ 46 ④ 64

Example (4):

(1) Look at the chart on the right and answer the questions.

① What is the rule for how the numbers that have 8 in the ones place are arranged?

② What is the rule for how the numbers that have 3 in the tens place are arranged?

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99
100									

(2) Look at the chart on the right and tell us what number goes in ■.

40	41	42	43	44
50	51		53	54
60		■		64
70	71		73	74
80	81	82	83	84

(3) Look at the chart on the right and answer the questions.

① What is the rule for how the numbers that have 6 in the ones place are arranged?

② What is the rule for how the numbers that have 9 in the tens place are arranged?

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99
100									

(4) Look at the chart on the right and tell us what number goes in ■.

25	26	27	28	29
35	36		38	39
45		■		49
55	56		58	59
65	66	67	68	69

Example (5):

- Look at the following charts and tell us what numbers go in ☐.

a ① The horizontal rule is: ....., ..., ...

② The vertical rule is: ....., ..., ...

③ Answer: .....

10	11	12	13	14
20	21		23	24
30		☐		34
40	41		43	44
50	51	52	53	54

b ① The horizontal rule is: ....., ..., ...

② The vertical rule is: ....., ..., ...

③ Answer: .....

55	56	57	58	59
65	66		68	69
75		☐		79
85	86		88	89
95	96	97	98	99

c ① The horizontal rule is: ....., ..., ...

② The vertical rule is: ....., ..., ...

③ Answer: .....

33	34	35	36	37
43	44		46	47
53		☐		57
63	64		66	67
73	74	75	76	77

Example (6):

Look at the following chart, then complete using the same pattern.

a 13, 14, 15, ..., ..., ...

b 44, 45, 46, ..., ..., ...

c 70, 71, 72, ..., ..., ...

d 14, 24, 34, ..., ..., ...

e 9, 19, 29, ..., ..., ...

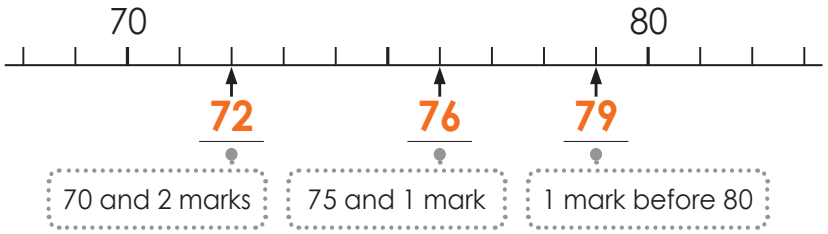
f 41, 42, 43, ..., ..., ...

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99
100									

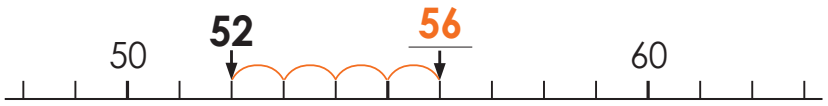
Number Line up to 100

Number line up to 100

• We can compare the numbers by using a number line.



56 is 4 more than 52

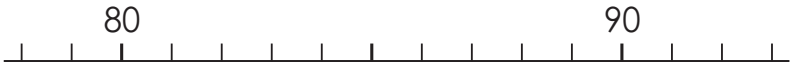


Example (1):

(1) Let's use the number line to answer the questions.

① Which number is 3 more than 80?

② Which number is 4 less than 90?



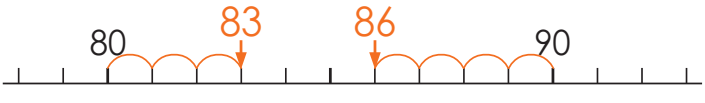
(2) Circle the bigger number.

74 82

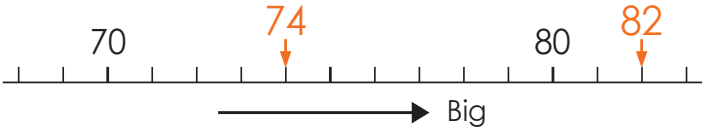
(3) Let's answer what number goes in □.

□ — 60 — 70 — □ — 90 — □

(1) ① 83 ② 86



(2) 74 82



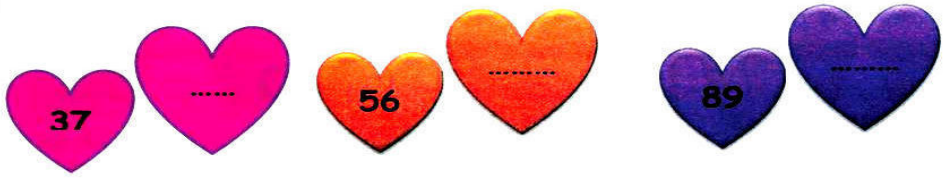
(3) 50 — 60 — 70 — 80 — 90 — 100

10 10 10 10 10

The numbers are increasing by 10.

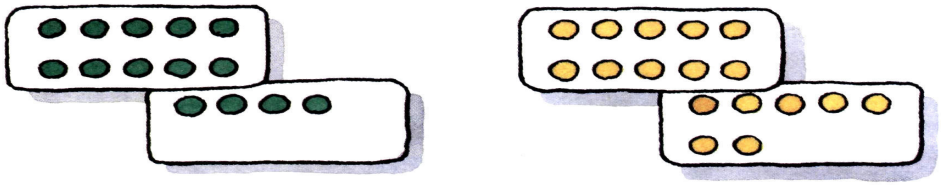
Example (2):

(1) Write the number that has one more

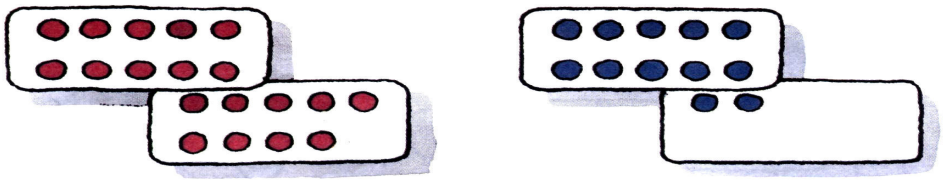


Write the number that has one less

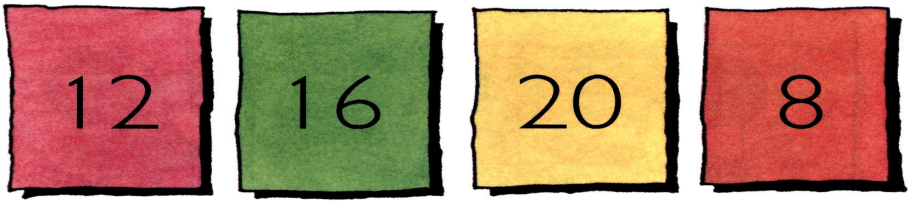
(2) Which is greater, 14 or 17?



Which is smaller, 19 or 12?



(3) Compare these numbers:



(a) Which number is the greatest?

(b) Which number is the smallest?

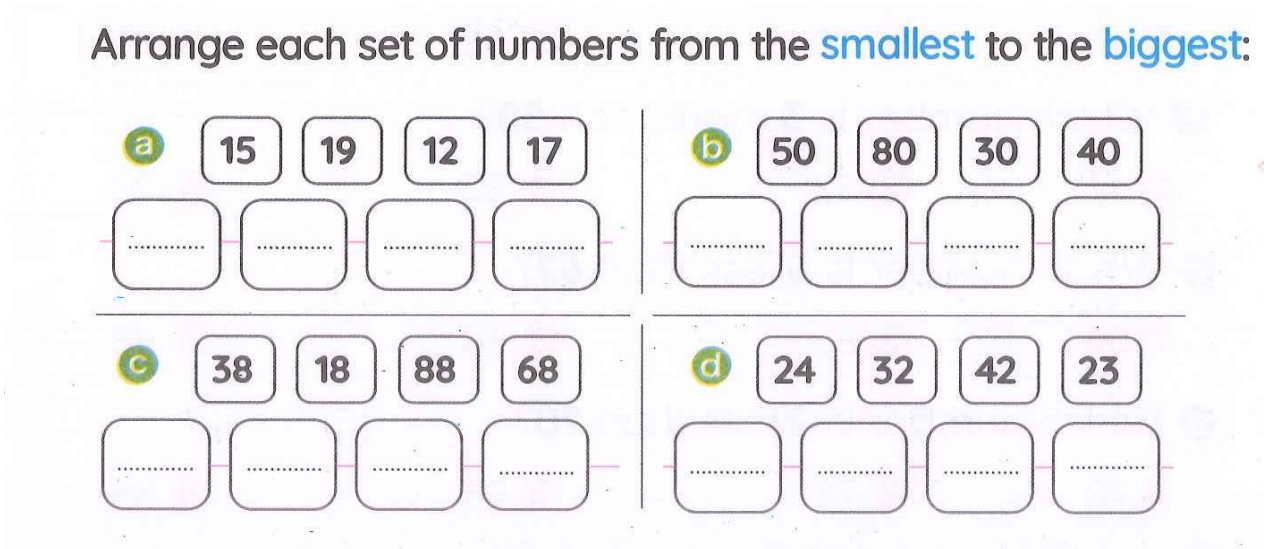
(c) Arrange the numbers in order. Begin with the smallest.

Example (3):

Which is greater			Which is smaller		
(a)	17	18	(b)	16	ten
(c)	twelve	11	(d)	eleven	9
(e)	10	ten	(f)	thirteen	16
(g)	eleven	13	(h)	eleven	11
(i)	14	13	(j)	twelve	12
(k)	sixteen	16	(l)	eighteen	19
(m)	10	20	(n)	seventeen	twenty
(o)	ten	18	(p)	ten	15
(q)	thirteen	13	(r)	twenty	ten
(r)	eleven	ten	(s)	18	20
(t)	15	five	(v)	twenty	19
(w)	twenty	20	(x)	fourteen	16

Example (4):

Arrange each set of numbers from the smallest to the biggest:



Home work H.W

Ex (1):

(1) Let's use the number line to answer the questions.

① Which number is 4 more than 70?

② Which number is 2 less than 80?

③ Which number is 3 more than 75?

(2) Circle the bigger number.

① 75 83 ② 56 64 ③ 91 87

(3) Let's answer what number goes in □.

① 47 — 48 — □ — □ — 51 — 52 — □ —

② 100 — □ — 98 — 97 — □ — 95 — □ —

(4) Let's use the number line to answer the questions.

① Which number is 5 more than 60?

② Which number is 3 less than 70?

③ Which number is 4 less than 68?

(5) Circle the bigger number.

① 54 47 ② 68 75 ③ 98 89

(6) Let's answer what number goes in □.

① □ — 87 — 88 — □ — □ — 91 — 92 —

② 50 — □ — 48 — 47 — 46 — □ — □ —

Ex (2):

Arrange (From the smallest to the greatest)

15 , 11 , 9 , 12 , 7

1. The order is ☐ , ☐ , ☐ , ☐ and ☐

18 , 20 , 1 , 14 , 12

2. The order is ☐ , ☐ , ☐ , ☐ and ☐

17 , 14 , 0 , 9 , 10

3. The order is ☐ , ☐ , ☐ , ☐ and ☐

18 , 20 , 16 , 13 , 15

4. The order is ☐ , ☐ , ☐ , ☐ and ☐

19 , 13 , 15 , 11 , 14

5. The order is ☐ , ☐ , ☐ , ☐ and ☐

20 , 12 , 17 , 10 , 15

6. The order is ☐ , ☐ , ☐ , ☐ and ☐

Ex (3):

Arrange (From the greatest to the smallest)

16 , 20 , 9 , 10 , 17

1. The order is ☐ , ☐ , ☐ , ☐ and ☐

12 , 18 , 7 , 13 , 14

2. The order is ☐ , ☐ , ☐ , ☐ and ☐

18 , 14 , 11 , 17 , 10

3. The order is ☐ , ☐ , ☐ , ☐ and ☐

16 , 10 , 12 , 13 , 15

4. The order is ☐ , ☐ , ☐ , ☐ and ☐

19 , 8 , 17 , 20 , 15

5. The order is ☐ , ☐ , ☐ , ☐ and ☐

11 , 19 , 17 , 10 , 18

6. The order is ☐ , ☐ , ☐ , ☐ and ☐

Ex (4):

Arrange the numbers in an ascending order:
(From the smallest to the greatest)

64 , 74 , 46 , 25 and 87

The order is

……. , …… , …… ,…….. and …….

35 , 52 , 71 , 19 and 53

The order is

……. , …… , …… ,…….. and …….

89 , 19 , 91 , 98 and 90

The order is

……. , …… , …… ,…….. and …….

78 , 63 , 35 , 30 and 87

The order is

……. , …… , …… ,…….. and …….

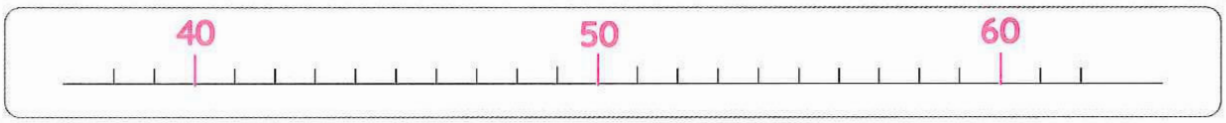
12 , 76 , 21 , 70 and 2

The order is

……. , …… , …… ,…….. and …….

Ex (5):

(1) Use the number line to choose the correct answer:



a Which number is 5 more than 40?

① 45 ② 35 ③ 55 ④ 65

b Which number is 3 more than 50?

① 47 ② 53 ③ 80 ④ 20

c Which number is 6 less than 62?

① 56 ② 86 ③ 58 ④ 48

d Which number is 2 less than 70?

① 72 ② 78 ③ 58 ④ 68

(2) What number goes in ☐?

a 35 36 38

b 20 ..... 40 50

c 70 60 50

d 62 61 60 .....

(3) Circle the greater number

38 18 81	54 96 12	32 25 99
65 16 69	10 9 2	57 89 35

Ex (6):

Circle the greater number:

13 16	18 12	8 11
9 12	18 7	12 17
11 28	23 25	27 30
17 14	35 60	25 52
21 14	31 49	45 54

Ex (7):

Circle the smaller number:

48 51	90 60	35 61
24 43	61 49	30 20
91 68	44 35	27 81
17 14	35 60	25 52
21 14	31 49	45 54

Numbers Bigger than 100

Adding and Subtracting Ones

Numbers bigger than 100

When we arrange the numbers bigger than 100 in groups of ten, they look like the chart below.

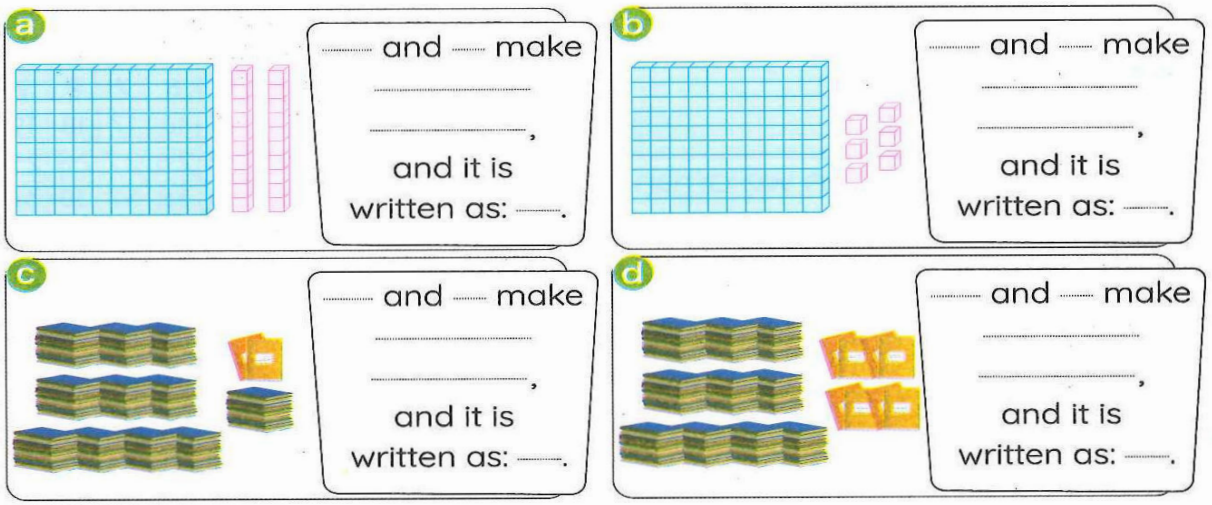
90	91	92	93	94	95	96	97	98	99
100	**101**	**102**	**103**	**104**	**105**	**106**	**107**	**108**	**109**
110	**111**	**112**	**113**	**114**	**115**	**116**	**117**	**118**	**119**
120									

Example 100 and 2 make **one hundred two**

We write one hundred two as **102**.

Example (1):

(1) Count and write the number:



(2) Complete the following:

a 100 and 2 make ....., and it is written as: .....

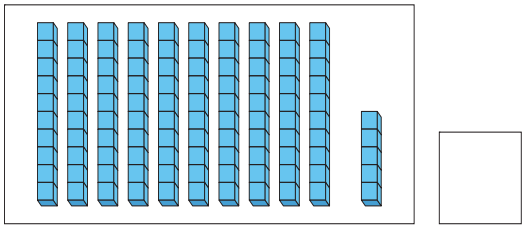
b 100 and 21 make ....., and it is written as: .....

c ..... and ..... make one hundred thirteen, and it is written as: .....

d ..... and ..... make ....., and it is written as: 111.

Example (2):

(1) Write the number of cubes.



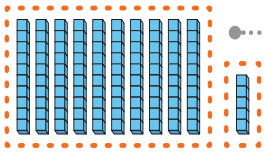
(2) Circle the bigger number.

102 99

(3) Let's answer what number goes in □.

97 — 98 — 99 — □ — □ — 102 — □

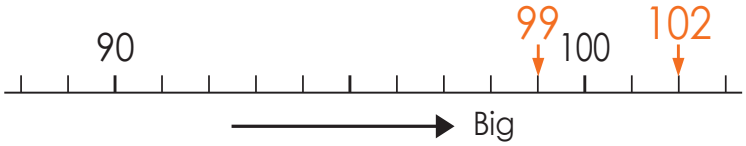
(1) 100 and 5 make 105 .



Ten 10s make 100.

Five ones.

(2) 102 99



(3) 97 — 98 — 99 — 100 — 101 — 102 — 103

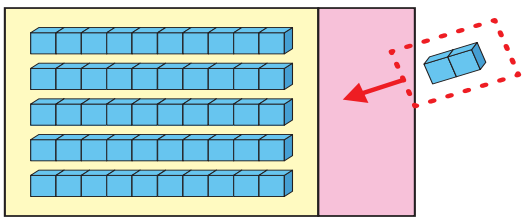
1 1 1 1 1

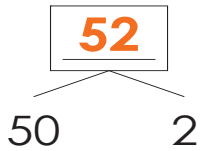
The numbers are increasing by 1.

Example (3):

The number that is formed by combining 50 and 2.

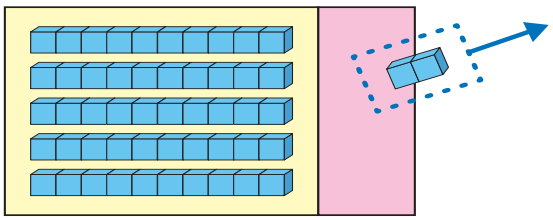
Mathematical sentence: 50 + 2 = 52

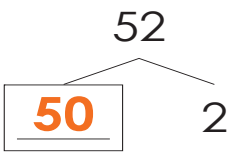




The number that is formed by subtracting 2 from 52.

Mathematical sentence: 52 − 2 = 50



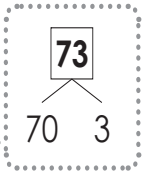


Example (4):

(1) Let's do the next calculation.

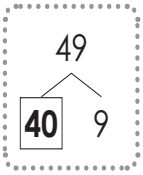
① 70 + 3

(1) ① 70 + 3 = 73



② 49 − 9

② 49 − 9 = 40



(2) You have 24 candies. You ate 4 candies. How many candies are left?

Write the mathematical sentence and the answer.

(2) Mathematical sentence: 24 − 4 = 20

Answer: 20 candies

Example (5):

(1) Ahmed bought 34 pieces of chocolate, then bought 4 more pieces.
How many pieces of chocolate does he have now?

The mathematical sentence: 34 + 4 = 38

Answer: 38 pieces of chocolate.

(2) You have 76 pencils. You used 6 pencils.
How many pencils are left?

Solution

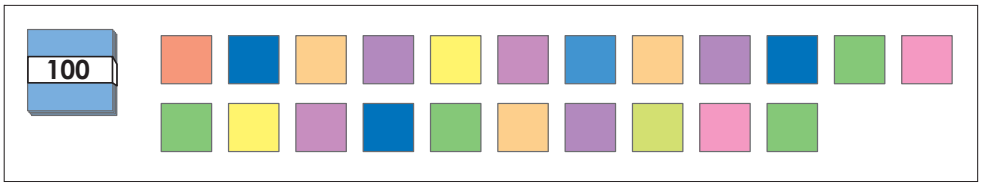
Mathematical sentence: .....

Answer: .....

Home work H.W

Ex (1):

(1) Write the number of papers.



(2) Circle the bigger number.

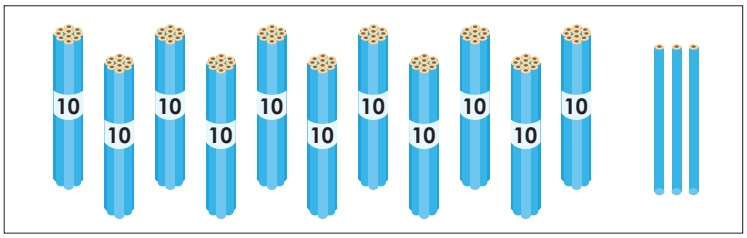
① 100 110 ② 120 119 ③ 99 101

(3) Let's answer what number goes in □.

① 99 — □ — □ — 102 — 103 — 104 — □

② 115 — 116 — □ — 118 — 119 — □ — □

(4) Write the number of pencils.



(5) Circle the bigger number.

① 101 97 ② 124 114 ③ 115 120

(6) Let's answer what number goes in □.

① 107 — □ — 109 — □ — 111 — 112 — □

② 119 — □ — □ — 122 — 123 — □ — 125

Ex (2):

(1) Let's do the next calculation.

① 20 + 5 ② 30 + 6 ③ 70 + 1

④ 38 − 8 ⑤ 46 − 6 ⑥ 87 − 7

(2) You have 50 sheets of paper. You got 4 more sheets from a friend. How many sheets of paper do you have in all? Write the mathematical sentence and the answer.

(3) You have 76 pencils. You used 6 pencils. How many pencils are left? Write the mathematical sentence and the answer.

(4) Let's write a number in ☐.

① The number that combines 60 and 8 is ☐.

Mathematical sentence: 60 + ☐ = ☐

② The number that takes away 7 from 97 is ☐.

Mathematical sentence: 97 − ☐ = ☐

(5) Let's do the next calculation.

① 30 + 1 ② 50 + 5 ③ 80 + 4

④ 22 − 2 ⑤ 63 − 3 ⑥ 99 − 9

(6) There are 20 children. 5 more children came. How many children are there in all? Write the mathematical sentence and the answer.

(7) You have 43 oranges. You ate 3 oranges. How many oranges are left? Write the mathematical sentence and the answer.

Ex (3):

(1) Look at the opposite chart and tell us what number goes in ☐:

	85	86	87	88	89	
	95	96		98	99	
	105		☐		109	
	115	116		118	119	
	125	126	127	128	129	

a The horizontal rule is: ....., ..., ...

b The vertical rule is: ....., ..., ...

c Answer: .....

(2) Arrange each set of numbers from the smallest to the biggest:

a 90 105 95 100 ....

b 122 115 99 102 ....

(3) Arrange each set of numbers from the biggest to the smallest:

a 90 100 95 105 ....

b 122 115 99 102 ....

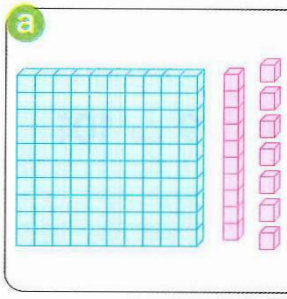
(4) Circle the bigger number:

a 105 *or* 115 b 98 *or* 101 c 125 *or* 95

d 114 *or* 114 e 96 *or* 106 f 111 *or* 109

g 120 *or* 120 h 116 *or* 106 i 101 *or* 110

(5) Count and write the number:

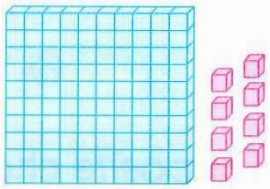
a 

..... and ..... make

.....,

.....,

and it is written as: .....

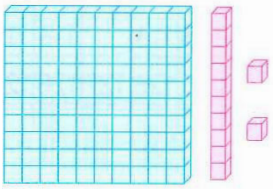
b 

..... and ..... make

.....,

.....,

and it is written as: .....

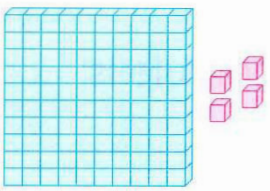
c 

..... and ..... make

.....,

.....,

and it is written as: .....

d 

..... and ..... make

.....,

.....,

and it is written as: .....

(6) Complete the following:

a 100 and 4 make ....., and it is written as: .....

b 100 and 25 make ....., and it is written as: .....

c ..... and ..... make one hundred three, and it is written as: .....

d ..... and ..... make one hundred ninteen, and it is written as: .....

e ..... and ..... make ....., and it is written as: 101.

f ..... and ..... make ....., and it is written as: 123.

(4) Choose the correct answer from those given :

a One hundred fifteen is written as _____.

(115 *or* 105 *or* 151 *or* 125)

b One hundred seven is written as _____.

(117 *or* 17 *or* 107 *or* 127)

c 123 is read as _____.

(one hundred three *or* one hundred thirteen *or* one hundred twenty-three *or* one hundred thirty)

d 108 is read as _____.

(one hundred eight *or* one hundred eighteen *or* one hundred twenty-eight *or* eighteen)

e 100 and 3 make _____. (113 *or* 103 *or* 123 *or* 13)

f 100 and 14 make _____. (24 *or* 124 *or* 14 *or* 114)

g _____ make 109.

(10 and 9 *or* 100 and 9 *or* 10 and 19 *or* 100 and 19)

h _____ make 115.

(10 and 15 *or* 1 and 15 *or* 11 and 5 *or* 100 and 15)

Ex (5):

(1) 10 + 8 = ...

(2) 20 + 9 = ...

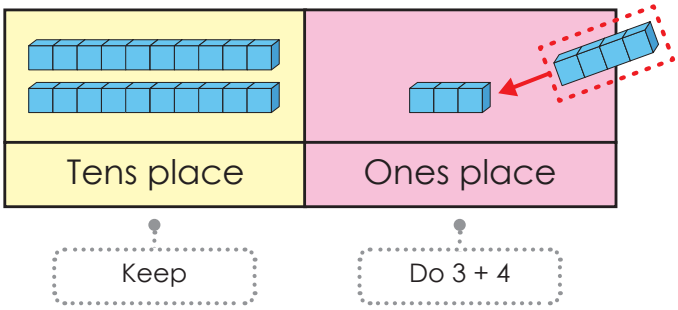
(3) 45 + 1 = ...

(4) 56 + 3 = ...

Adding and Subtracting Ones

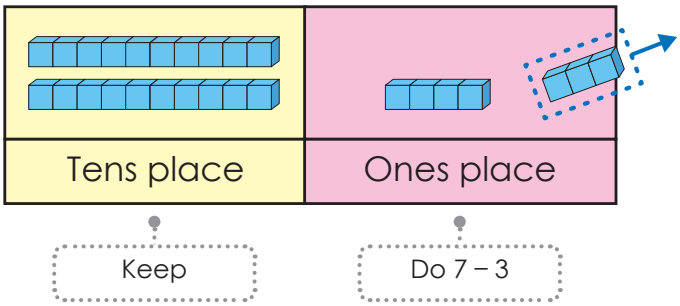
Example (1):

① **23 + 4**



❶ Split 23 into 20 and 3
❷ 3 + 4 = 7
❸ 20 and 7 make 27
❹ 23 + 4 = 27

② **27 − 3**



❶ Split 27 into 20 and 7
❷ 7 − 3 = 4
❸ 20 and 4 make 24
❹ 27 − 3 = 24

Example (2):

Let's do the next calculation.

(1) 35 + 2 (2) 56 − 4

(1) 35 + 2 = 37

❶ Split 35 into 30 and 5
❷ 5 + 2 = 7
❸ 30 and 7 make 37
❹ 35 + 2 = 37

(2) 56 − 4 = 52

❶ Split 56 into 50 and 6
❷ 6 − 4 = 2
❸ 50 and 2 make 52
❹ 56 − 4 = 52

Example (2):

70 + 3 = ...	20 + 5 = ...	30 + 6 = ...
70 + 1 = ...	30 + 1 = ...	50 + 5 = ...
80 + 4 = ...	24 + 3 = ...	45 + 4 = ...
49 - 9 = ...	38 - 3 = ...	46 - 6 = ...
87 - 7 = ...	22 - 2 = ...	63 - 3 = ...
99 - 9 = ...	36 - 1 = ...	77 - 6 = ...

30 + 4	10 + 3	67 + 2	71 + 8	33 + 2 .....
54 - 4	16 - 6	98 - 1	29 - 8	86 - 5 .....

Example (3):

Write the mathematical sentence and the answer.

(1) Mohamed has **20** apples, and his mother gave him **two** apples. How many apples does he have now?

Solution

Mathematical sentence: .....

Answer: .....

(2) There are **43** birds in the garden, and **3** more birds came. How many birds are in the garden now?

Solution

Mathematical sentence: .....

Answer: .....

(3) Laila has **14** balloons and bought **5** balloons. How many balloons does she have now?

Solution

Mathematical sentence: .....

Answer: .....

(4) Sara has **14** books, and her father gave her **4** books. How many books does she have now?

Solution

Mathematical sentence: .....

Answer: .....

Home work H.W

Ex (1):

(1) Let's do the next calculation.

① 24 + 3 ② 45 + 4 ③ 83 + 5

④ 36 − 1 ⑤ 77 − 6 ⑥ 98 − 6

(2) There are 54 flowers in the flowerbed. We planted 4 more flowers there. How many flowers are there in all? Write the mathematical sentence and the answer.

(3) You have 88 sheets of paper. You used 7 sheets. How many sheets of paper are left? Write the mathematical sentence and the answer.

(4) Let's do the next calculation.

① 33 + 2 ② 67 + 2 ③ 71 + 8

④ 29 − 8 ⑤ 44 − 1 ⑥ 86 − 5

(5) There are 26 children. 3 more children came. How many children are there in total? Write the mathematical sentence and the answer.

(6) You have 39 oranges. You have 8 apples. What is the difference between the number of oranges and the number of apples? Write the mathematical sentence and the answer.

Ex (2):

(1) Ahmed had **24** pens and gave his friend **4** pens.
How many pens does he have left?

Solution

Mathematical sentence: .....

Answer: .....

(2) There are **18** notebooks in the bag, and **3** notebooks were taken out. How many notebooks are left?

Solution

Mathematical sentence: .....

Answer: .....

(3) There were **36** cats in the garden. **Four** cats left.
How many cats are left?

Solution

Mathematical sentence: .....

Answer: .....

(4) There are **78** cars in the garage. **Six** cars left.
How many cars are left?

Solution

Mathematical sentence: .....

Answer: .....

Ex (4):

(1) Choose the correct answer:

a $\square + 3 = 75$

① 87 ② 72

③ 70 ④ 73

b $\square - 4 = 30$

① 34 ② 43

③ 70 ④ 10

c $66 + \square = 68$

① 62 ② 6

③ 2 ④ 8

d $75 - \square = 72$

① 3 ② 77

③ 5 ④ 7

e $80 + 4 = \square$

① 80 ② 84

③ 76 ④ 48

f $52 - 2 = \square$

① 54 ② 5

③ 50 ④ 52

(2) Calculate:

a $85 - 5 =$ .....

b $43 + 3 =$ .....

c $\begin{array}{r} 97 \\ -\ 6 \\ \hline \end{array}$ .....

d $\begin{array}{r} 20 \\ +\ 3 \\ \hline \end{array}$ .....

e $\begin{array}{r} 18 \\ -\ 2 \\ \hline \end{array}$ .....

f $\begin{array}{r} 36 \\ +\ 3 \\ \hline \end{array}$ .....

(3) Laila bought 23 balloons. Three of them burst.

How many balloons are left?

Write the mathematical sentence and the answer.

Solution

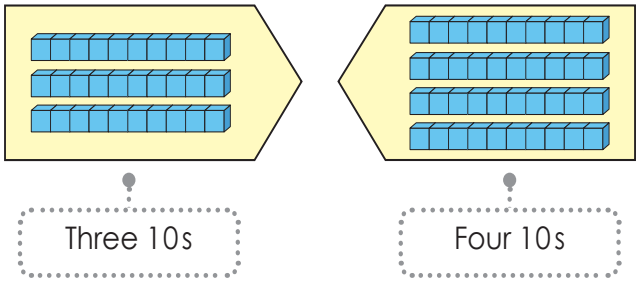
Mathematical sentence: .....

Answer: .....

Adding and Subtracting Tens

Example (1):

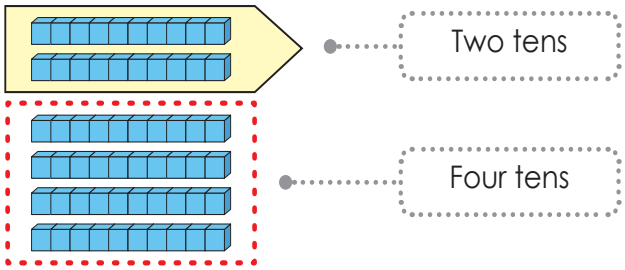
30 + 40



Three 10s and four 10s make **seven** 10s. 30 + 40 = **70**

3 + 4

60 − 20



Six 10s minus two 10s make **four** 10s. 60 − 20 = **40**

6 − 2

Example (2):

Let's do the next calculation.

(1) 70 + 30 (2) 100 − 40

(1) 70 + 30

Seven 10s and three 10s make ten 10s.

Ten 10s make 100. ⟶ 70 + 30 = 100

(2) 100 − 40

Ten 10s minus four 10s make six 10s.

Six 10s make 60 ⟶ 100 − 40 = 60

Example (3):

1) Add:

a) 60 + 10 = ...

b) 30 + 30 = ...

c) 50 + 40 = ...=..... tens

d) 10 + 80 = ...=..... tens

e) 20 + 20 = ...=..... tens

2) Subtract:

a) 90 - 10 = ...

b) 50 - 20 = ...=..... tens

c) 50 - 50 = ...

d) 80 - 40 = ...=..... tens

e) 90 - 60 = ...

3) Find:

a) 40 + 20	b) 60 - 30	c) 70 + 10	d) 30 - 20	e) 80 + 10 ....
f) 50 - 10	g) 60 + 20	h) 80 - 70	i) 70 - 50	j) 60 + 10 ....
k) 40 + 40	l) 70 - 20	m) 30 + 20	n) 90 - 70	o) 60 + 20 ....

Home work H.W

Ex (1):

(1) Let's do the next calculation.

① 40 + 10 ② 20 + 70 ③ 80 + 20

④ 20 − 10 ⑤ 90 − 50 ⑥ 100 − 90

(2) You have 30 pencils. You bought 20 more pencils. How many pencils do you have in all? Write the mathematical sentence and the answer.

(3) There are 40 people on the bus. 20 people got off. How many people are on the bus? Write the mathematical sentence and the answer.

(4) Let's do the next calculation.

① 60 + 20 ② 10 + 80 ③ 40 + 60

④ 90 − 10 ⑤ 70 − 50 ⑥ 100 − 10

(5) You have 50 candies. You bought 20 more candies. How many candies do you have in all? Write the mathematical sentence and the answer.

(6) There are 100 boys and 70 girls. Which one has more people, and by how many? Write the mathematical sentence and the answer.

Ex (2):

Complete:

30 = ... tens

50 = ... tens

80 = ... tens

3 tens + 5 tens = ... tens

3 + 5 = ...

30 + 50 = ...

70 = ... tens

40 = ... tens

30 = ... tens

7 tens – 4 tens = ... tens

7 – 4 = ...

70 – 40 = ...

50 = ... tens

20 = ... tens

70 = ... tens

5 tens + 2 tens = ... tens

5 + 2 = ...

50 + 20 = ...

90 = ... tens

30 = ... tens

60 = ... tens

9 tens – 3 tens = ... tens

9 – 3 = ...

90 – 30 = ...

Find

50 - 10 = ...

80 - 70 = ...

30 - 30 = ...

70 + 10 = ...

30 + 30 = ...

60 - 30 = ...

40 - 40 = ...

Ex (3): **Subtract**

20 – 10 = ...	50 – 10 = ...	90 – 30 = ...
30 – 10 = ...	60 – 20 = ...	50 – 40 = ...
40 – 10 = ...	70 – 20 = ...	60 – 40 = ...
50 – 10 = ...	80 – 20 = ...	70 – 40 = ...
60 – 10 = ...	90 – 20 = ...	80 – 40 = ...
70 – 10 = ...	40 – 30 = ...	90 – 40 = ...
80 – 10 = ...	50 – 30 = ...	60 – 50 = ...
90 – 10 = ...	60 – 30 = ...	70 – 50 = ...
30 – 20 = ...	70 – 30 = ...	80 – 50 = ...
40 – 20 = ...	80 – 30 = ...	90 – 50 = ...
70 – 60 = ...	90 – 60 = ...	90 – 70 = ...
80 – 60 = ...	80 – 70 = ...	90 – 80 = ...

Ex (4):

Calculate:

a 70 + 20 = ... b 40 + 10 = ... c 60 + 40 = ...

d 60 - 40 = ... e 70 - 50 = ... f 100 - 10 = ...

g 20 + 60 = ... h 90 - 50 = ... i 10 + 90 = ...

j 40 + 10 = ... k 10 + 50 = ... l 30 + 20 = ... m 80 + 20 = ... n 30 + 10 = ...

o 100 - 40 = ... p 80 - 80 = ... q 90 - 60 = ... r 30 - 20 = ... s 90 - 10 = ...

(5) Choose the correct answer from those given :

a ☐ + 30 = 70

① 100 ② 40

③ 30 ④ 70

b ☐ - 40 = 50

① 90 ② 10

③ 40 ④ 50

c 60 + ☐ = 80

① 60 ② 80

③ 20 ④ 100

d 50 - ☐ = 30

① 50 ② 30

③ 20 ④ 80

e 20 + 40 = ☐

① 20 ② 40

③ 42 ④ 60

f 70 - 20 = ☐

① 50 ② 27

③ 42 ④ 60

Ex (6):

(1) There are 100 boys and 70 girls.

Which one is more? And by how many?

Write the mathematical sentence and the answer.

Solution

Mathematical sentence: .....

Answer: .....

(2) Nada had 30 stickers, and her brother gave her 10 stickers. How many stickers does she have now? Write the mathematical sentence and the answer.

Solution

Mathematical sentence: .....

Answer: .....

(3) There were 50 sheep on the farm. 20 sheep left.

How many sheep remained on the farm?

Write the mathematical sentence and the answer.

Solution

Mathematical sentence: .....

Answer: .....

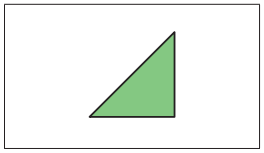
(4) There were 40 trees in the field. 40 trees were cut down.

How many trees remained?

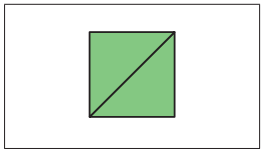
Write the mathematical sentence and the answer.

Making Shapes

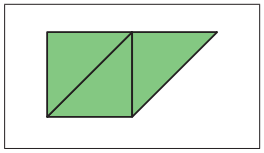
We can make different shapes by arranging  .



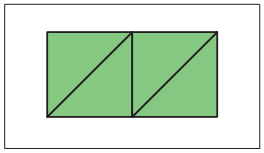
1 piece



2 pieces

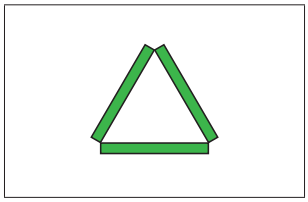


3 pieces

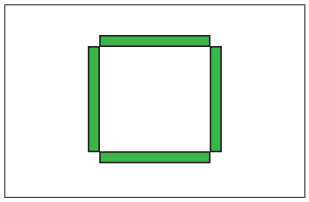


4 pieces

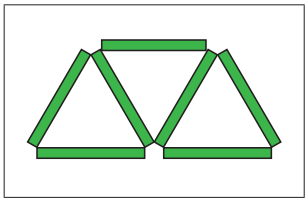
We can make different shapes by arranging sticks () as follow:



3 sticks

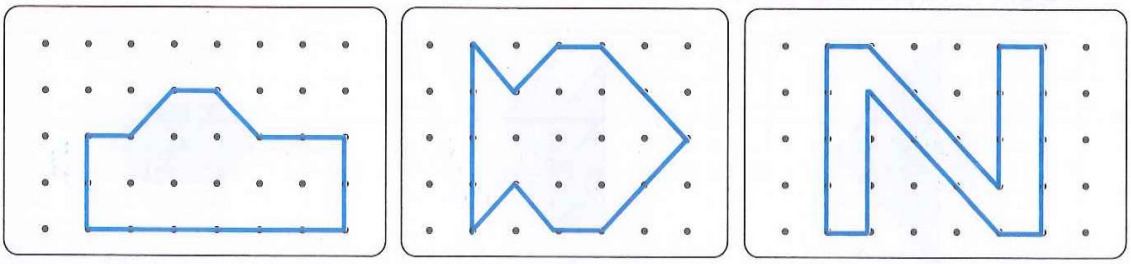


4 sticks



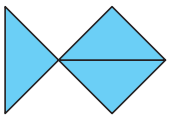
7 sticks

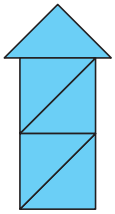
We can also make shapes by connecting dots with lines.



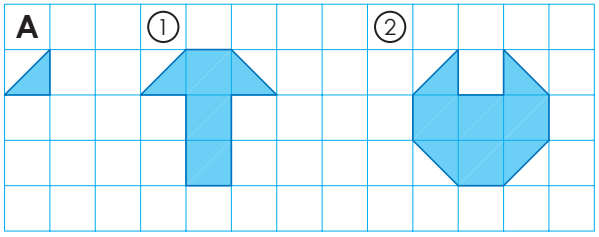
Example (1):

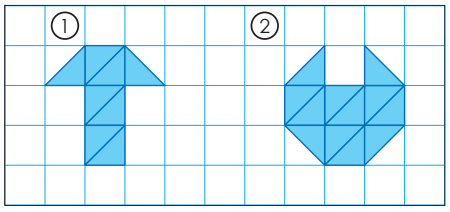
(1) How many pieces of colored paper  were used for each shape below?

①  3 pieces

②  5 pieces

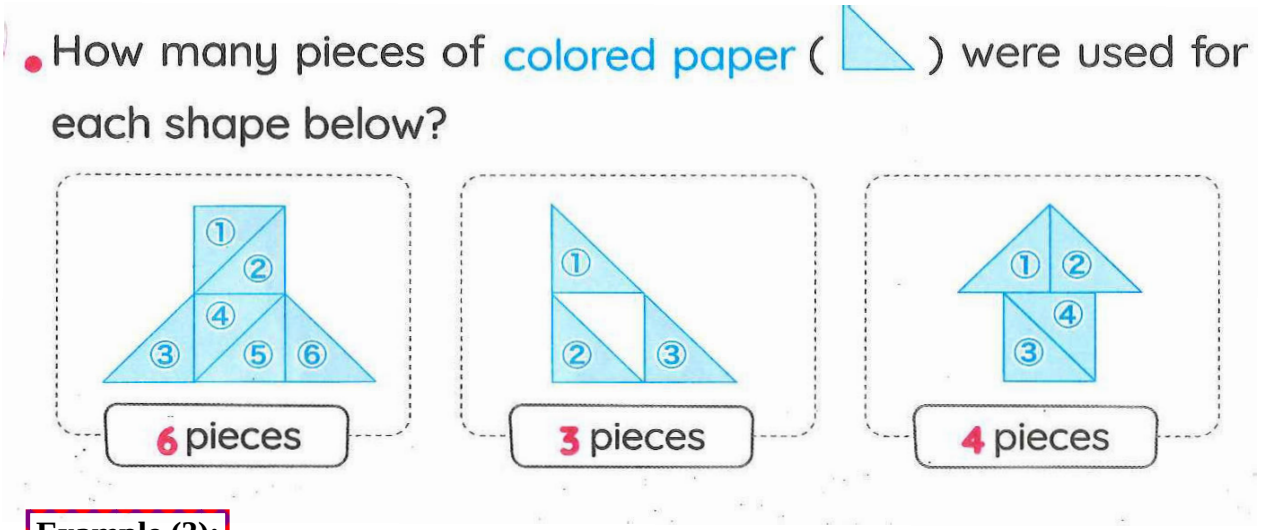
(2) How many pieces of colored paper **A** do you need to make each shape below?





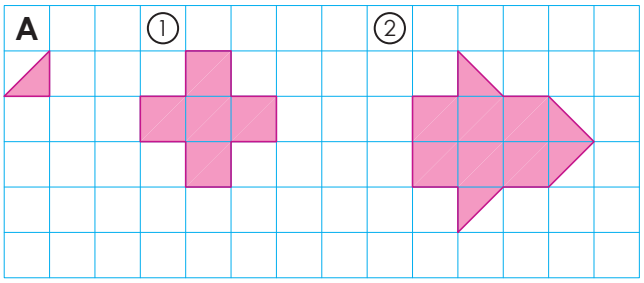
① 8 pieces ② 12 pieces

Example (2):



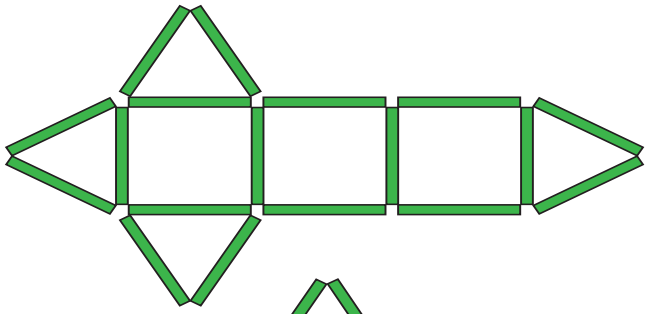
Example (3):

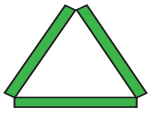
How many pieces of colored paper **A** do you need to make each shape below?

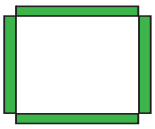


Example (4):

We made a shape using sticks (——) as follow:



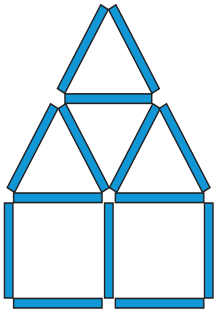
(1) How many  shapes are there? (1) 4 triangles

(2) How many  shapes are there? (2) 3 squares

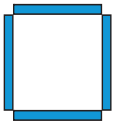
(3) How many sticks did you use? (3) 18 sticks

Example (5):

We made a shape using sticks (——) as follow:

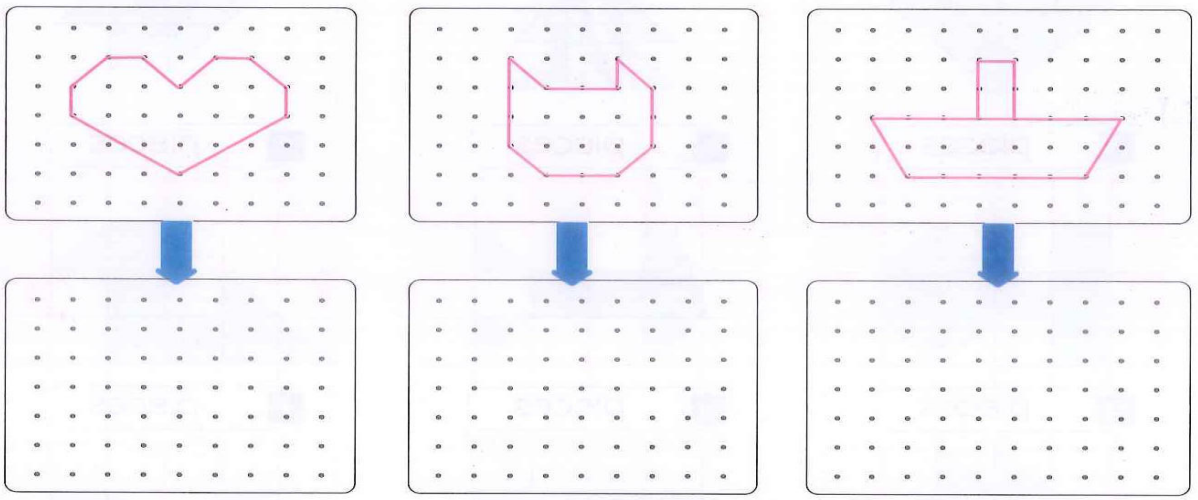


(1) How many  shapes are there?

(2) How many  shapes are there?

(3) How many sticks did you use?

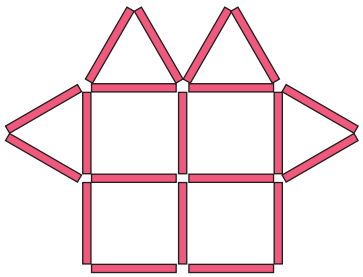
Example (6): Redraw the following shapes:



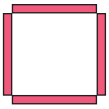
Home work H.W

Ex (1):

(1) We made a shape using sticks (▬) as follow:



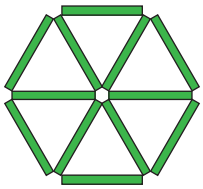
① How many  shapes are there?

② How many  shapes are there?

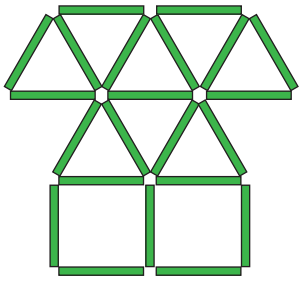
③ How many sticks did you use?

(2) How many sticks (▬) were used to make each shape below?

①



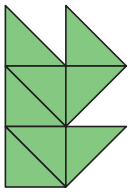
②



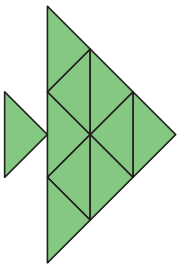
(3) How many pieces of colored paper  were used for each shape below?

①

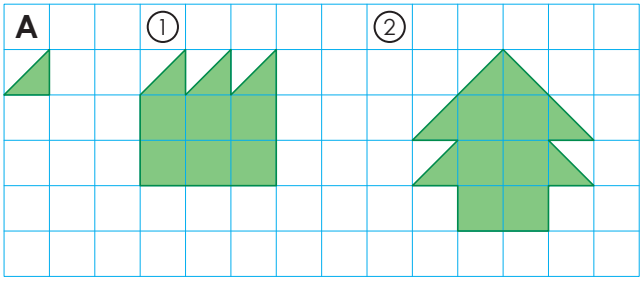
②



③



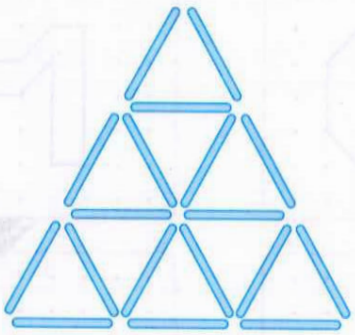
(4) How many pieces of colored paper **A** do you need to make each shape below?



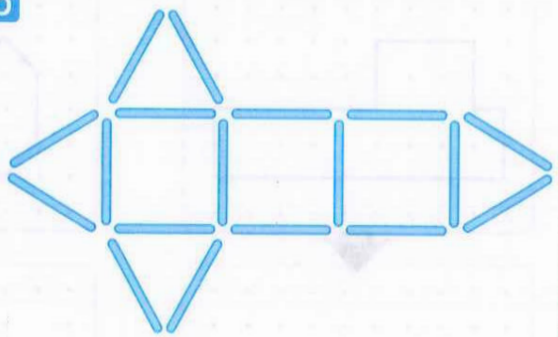
Ex (2):

Study the following shapes, then complete the table:

a



b



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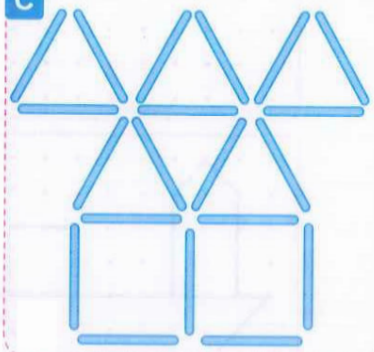
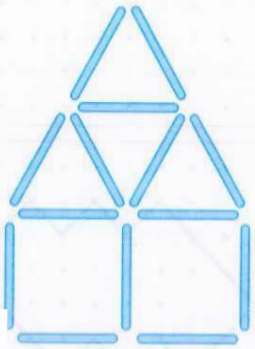
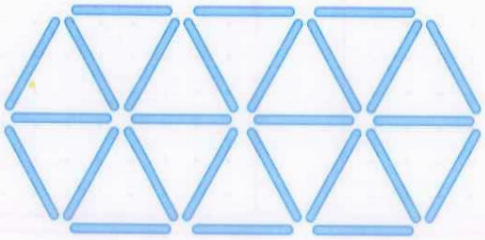


d

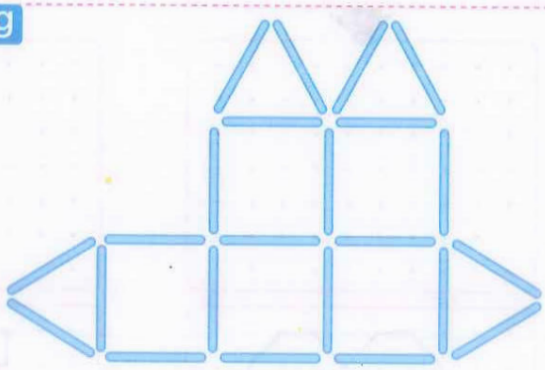
e



f



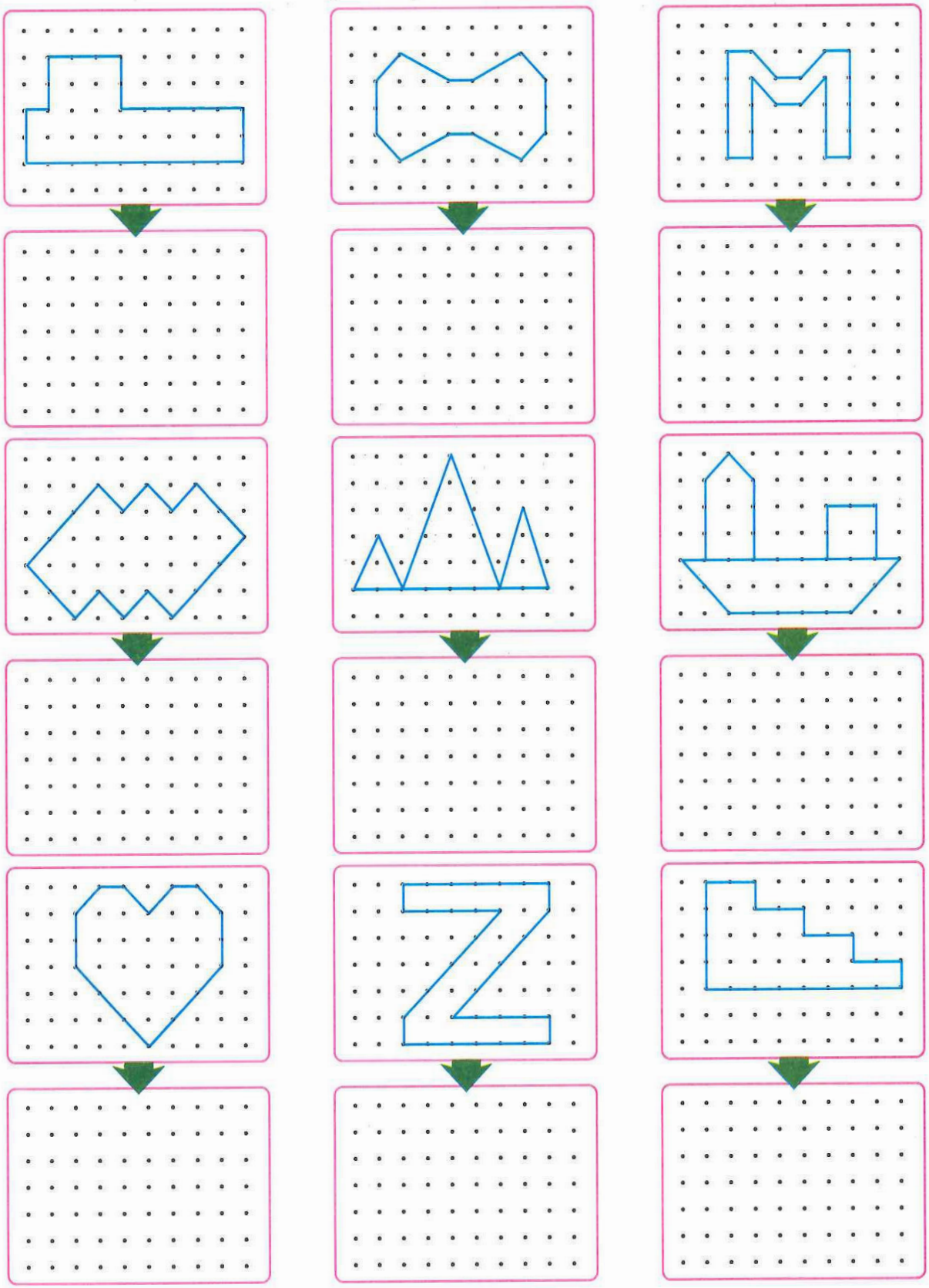
g



shape	a	b	c	d	e	f	g
Number of △							
Number of □							
Number of sticks							

Ex (3):

Redraw the following shapes:



What Time Is It?

There are two hands on a clock.

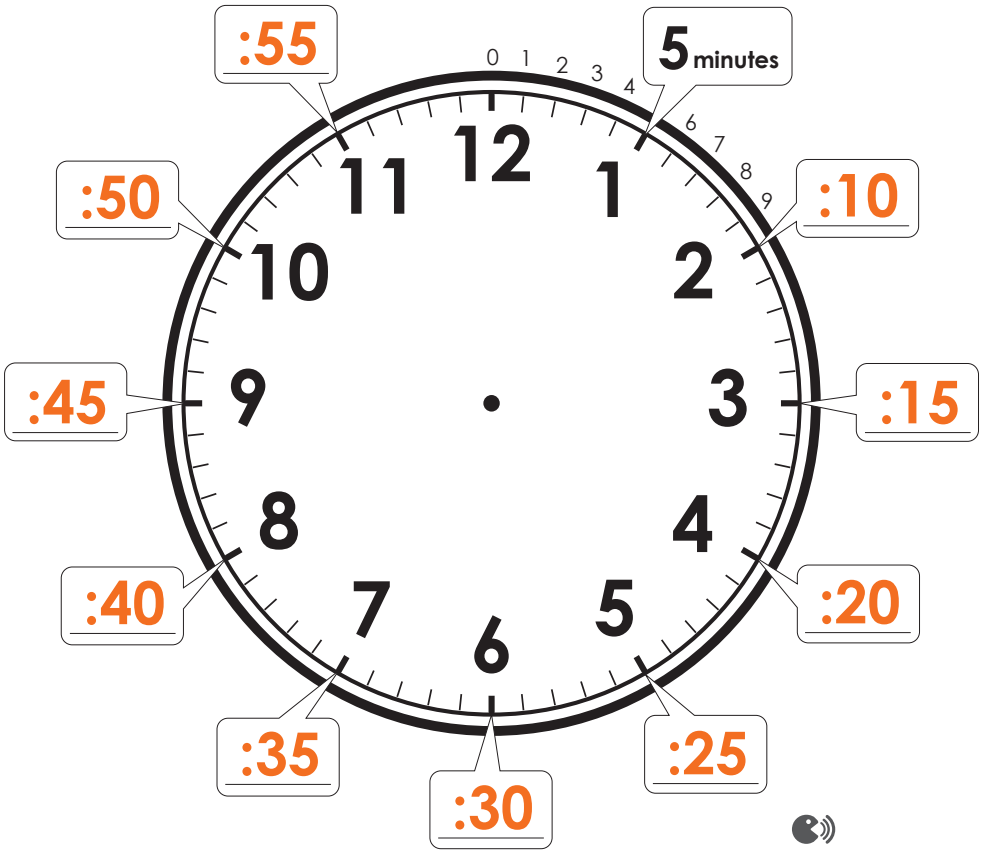
The short hand shows the **hour**. (Review)

Example The short hand is on 8, and the long hand is on 12.

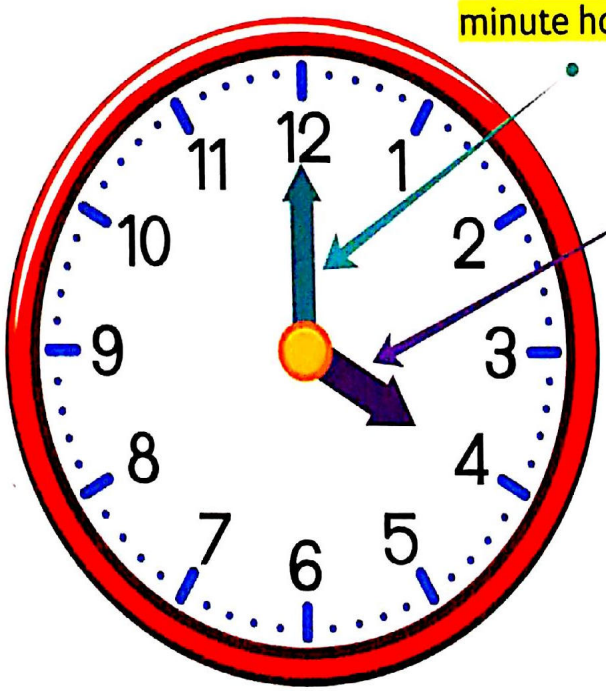
→ It is **8 o'clock**

The long hand shows the **minutes**.

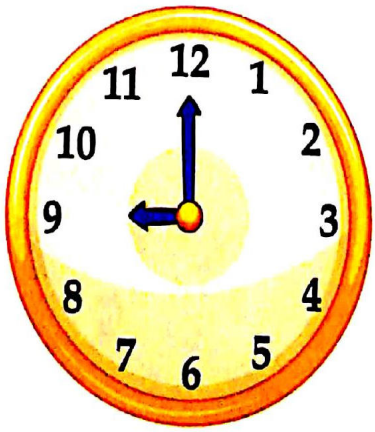
One mark on the long hand shows **1 minute**.



- When the minute hand points to 12, it is o'clock.



- These two clocks show time to the hour.



Analog clock

Digital clock

Example (1):

Write the time:

It's ..... o'clock

It's..... o'clock

It's ..... o'clock

It's..... o'clock

It's ..... o'clock

It's..... o'clock

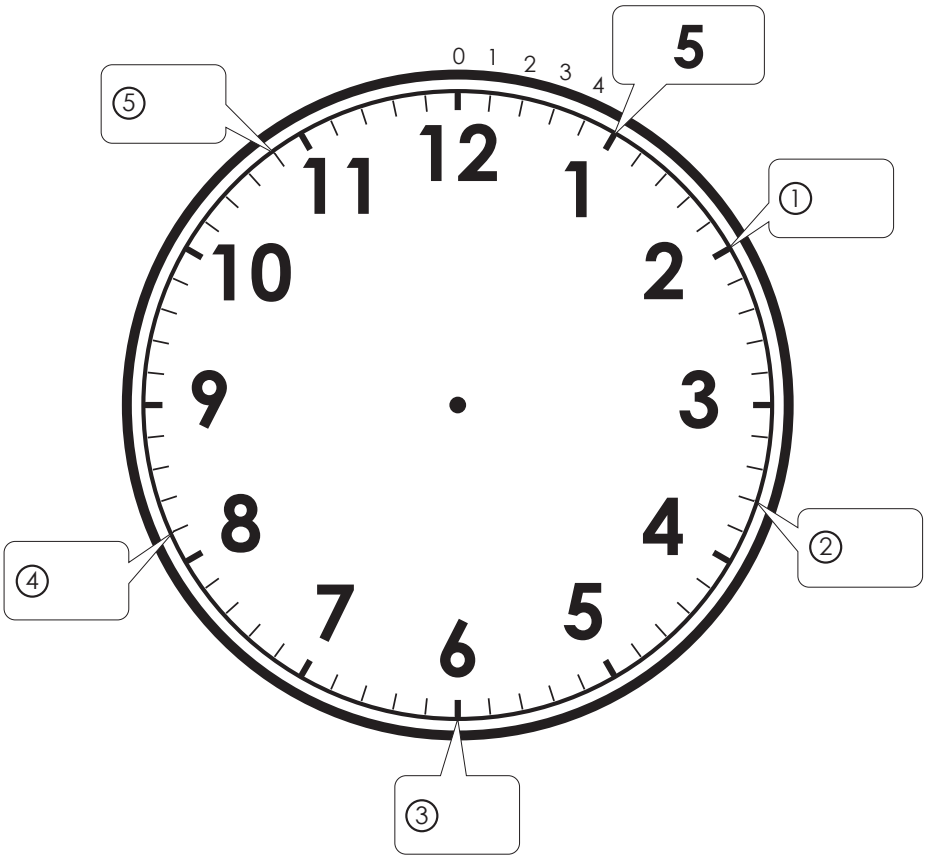
Example (2):

(1) Let's read the clocks.

① 

② 

(2) The long hand of a clock shows the minutes. Fill in the numbers for ① to ⑤.



(1) ① The short hand is on 7, the long hand is on 12. ⟶ 7 o'clock

② The short hand is on 2, the long hand is on 12. ⟶ 2 o'clock

(2) One mark shows 1 minute.

①: 10 ②: 18 ③: 30 ④: 41 ⑤: 54

The short hand shows the **hour**, the long hand shows the **minutes**.

One mark on the long hand shows **1 minute**.

When the short hand is between two numbers, read the **smaller number**.

Example

The short hand is between 8 and 9.
→ Read the smaller number; the time is 8 o'clock and some minutes (e.g., 8:30).

→ It is **8:30**

Example (3):

Let's read the clocks.

① 

② 

③ 

① The short hand is between 6 and 7. → 6 hours

Long hand is on 25 → 25 minutes

6:25

② The short hand is between 10 and 11. → 10 hours

Long hand is on 39 → 39 minutes

10:39

③ The short hand is between 2 and 3. → 2 hours

Long hand is on 7 → 7 minutes

2:07

Example (4):

(1) Let's read the clocks.

① 

② 

③ 

(2) Draw the long hand.

① 5:15

② 10:51

③ 11:08

(3) Let's read the clocks.

① 

② 

③ 

(4) Draw the long hand.

① 2:20

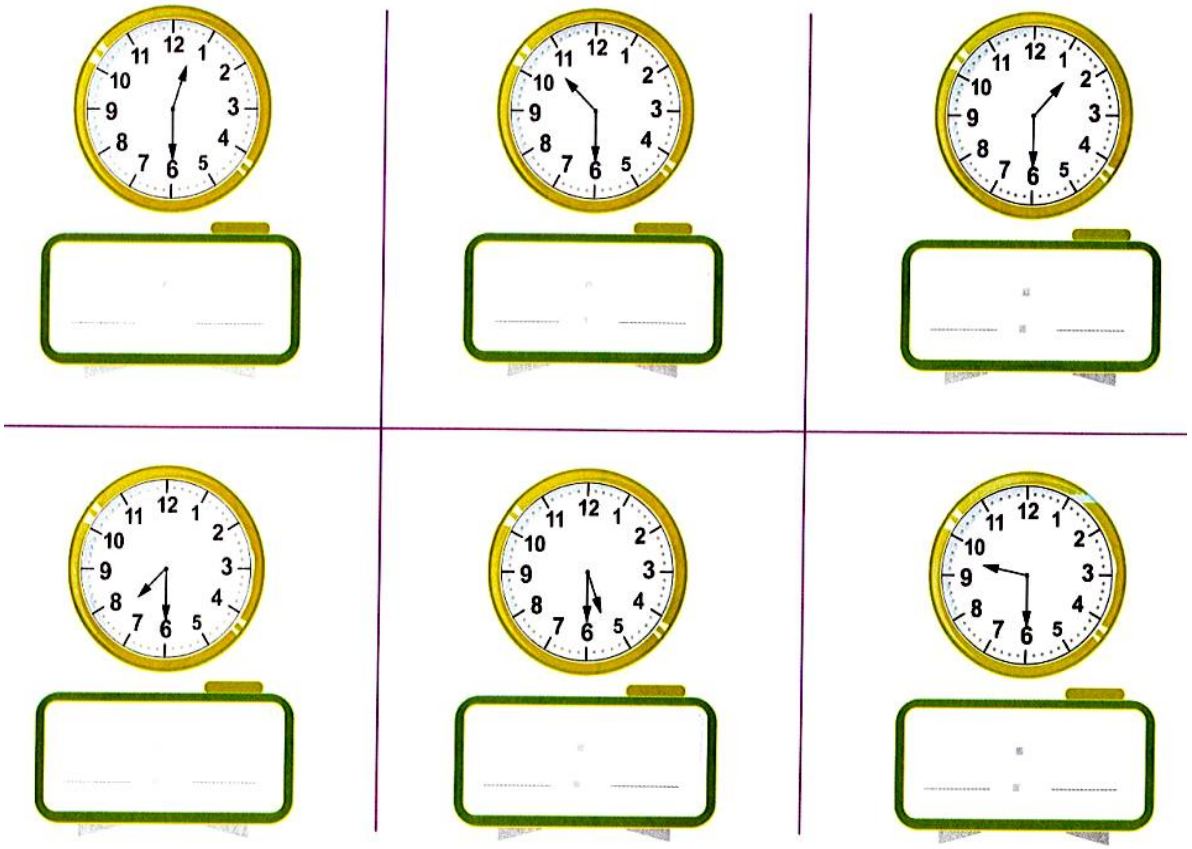
② 6:49

③ 9:11

Home work H.W

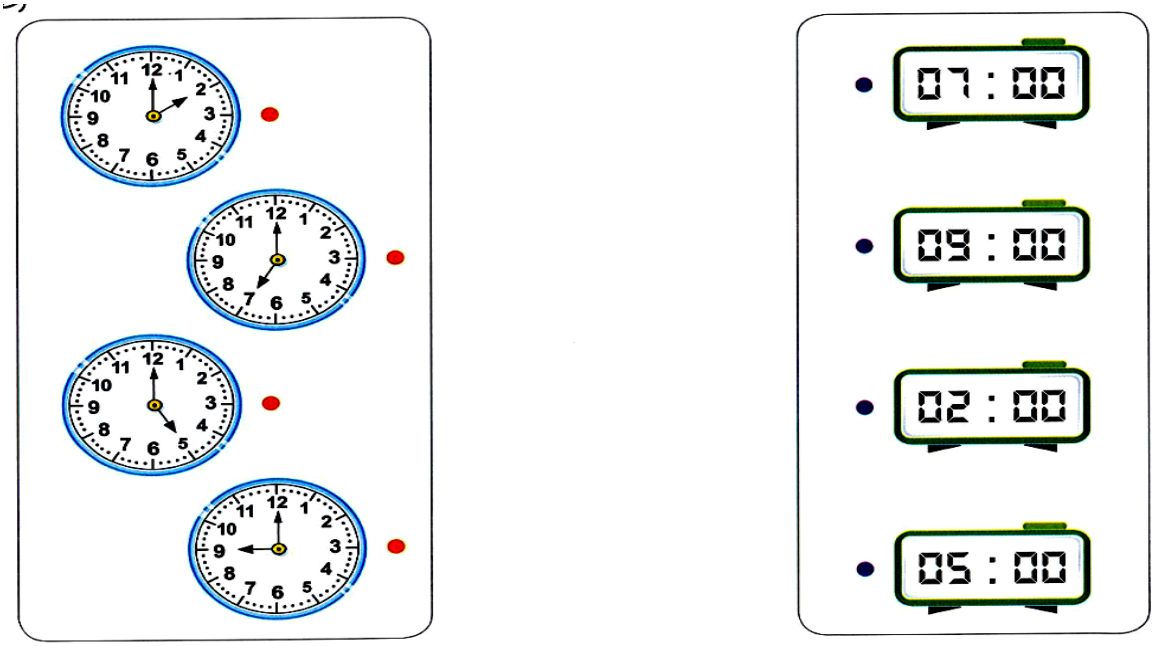
Ex (1):

Write the time:



Ex (2):

Join the two clock that tell the same time:



Ex (3):

* Write the time :



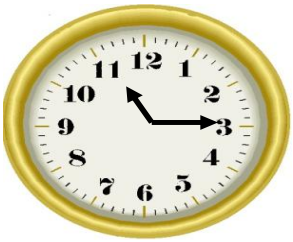

.... : .... | .... : .... | .... : .... | .... : ....

Ex (4):

* Write the time as the example :

1 : 15

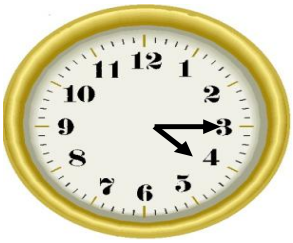
..... : .....



..... : .....

..... : .....

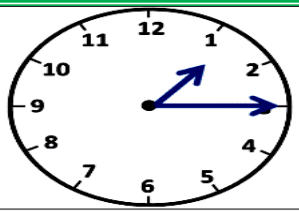
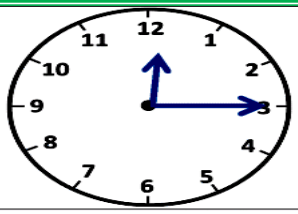
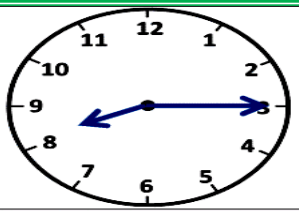
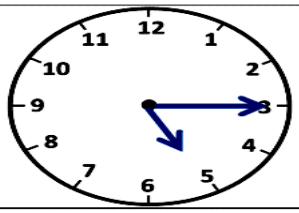
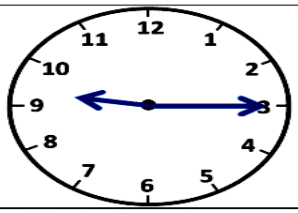
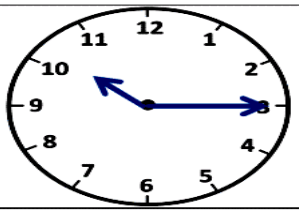
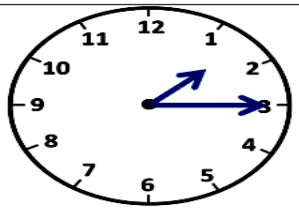
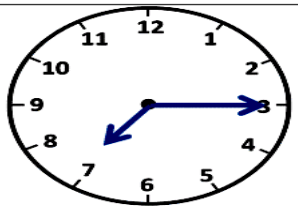
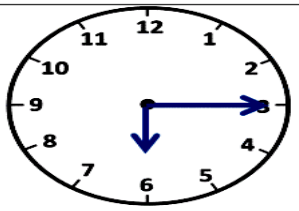
..... : .....



..... : .....

Ex (5):

Write the time in digit as the example:

		
1:15	..... :	..... : .....
		
..... :	..... :	..... : .....
		
..... :	..... :	..... : .....

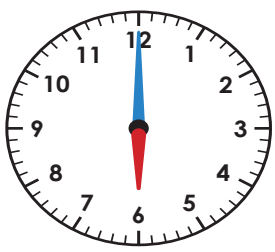
Ex (6):

(1) Let's read the clocks.

① 

② 

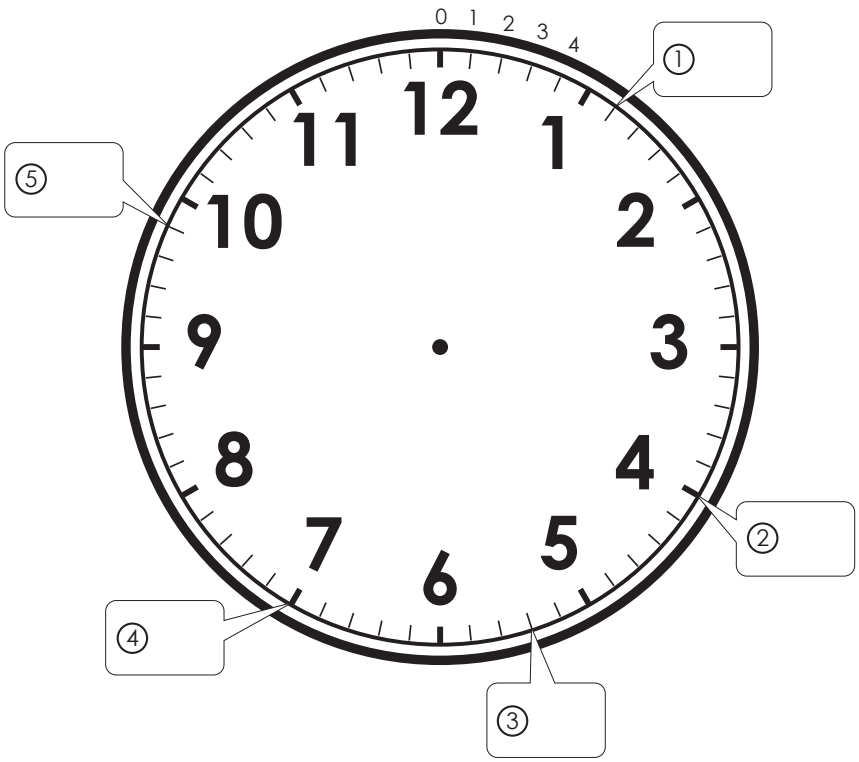
(2) (1) Let's read the clocks.

① 

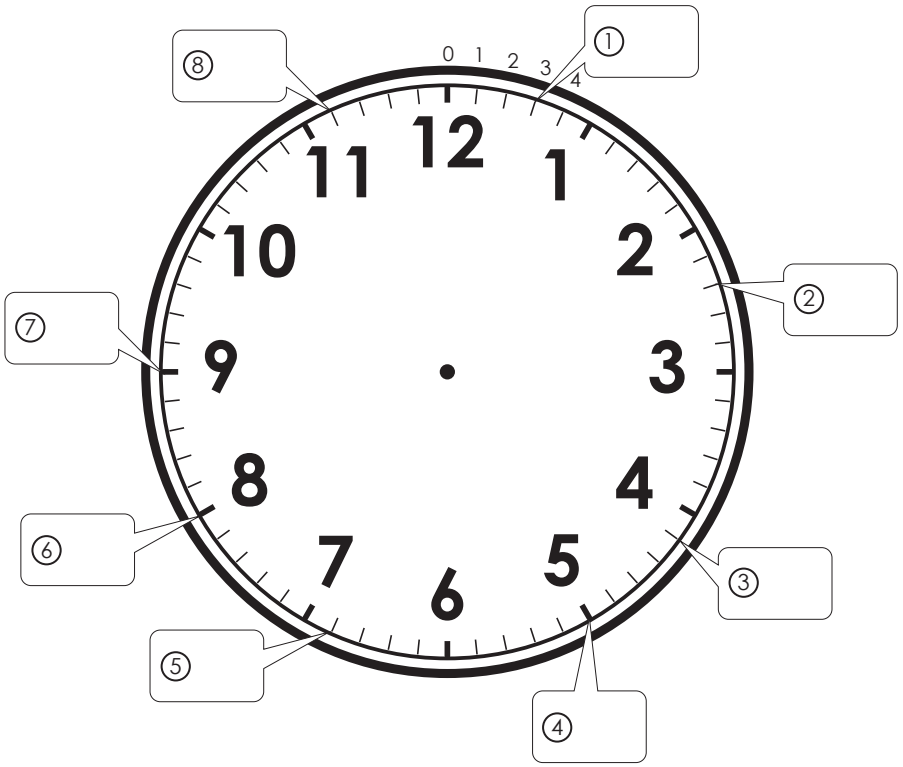
② 

Ex (7):

(1) The long hand of a clock shows the minutes. Fill in the numbers for ① to ⑤.



(2) (2) The long hand of a clock shows the minutes. Fill in the numbers for ① to ⑧.



Ex (8):

Read the clocks:

Ex (9):

(1) **: Complete the following:**

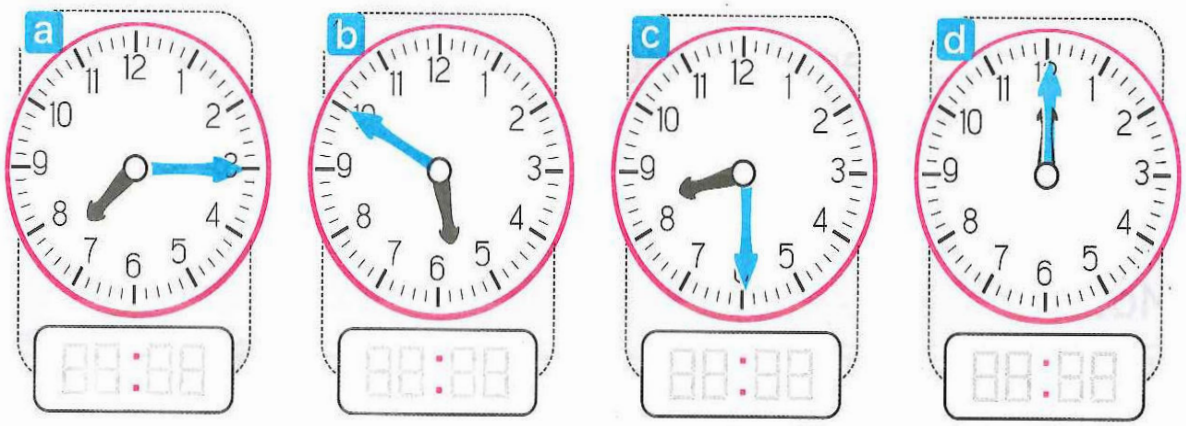
a The short hand is between **1** and **2**, the long hand is on **45**, then it is ..... : ..... .

b The short hand is between ..... and ....., the long hand is on ....., then it is **9** : **48**.

c The short hand shows the ..... .

d The long hand shows the ..... .

(2) **: Read the clocks:**

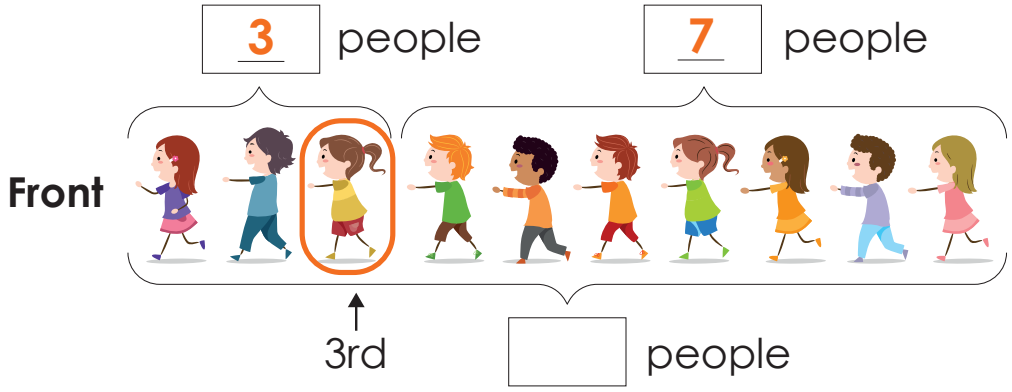


(3) **Draw the long hand:**

Addition and Subtraction

Example (1):

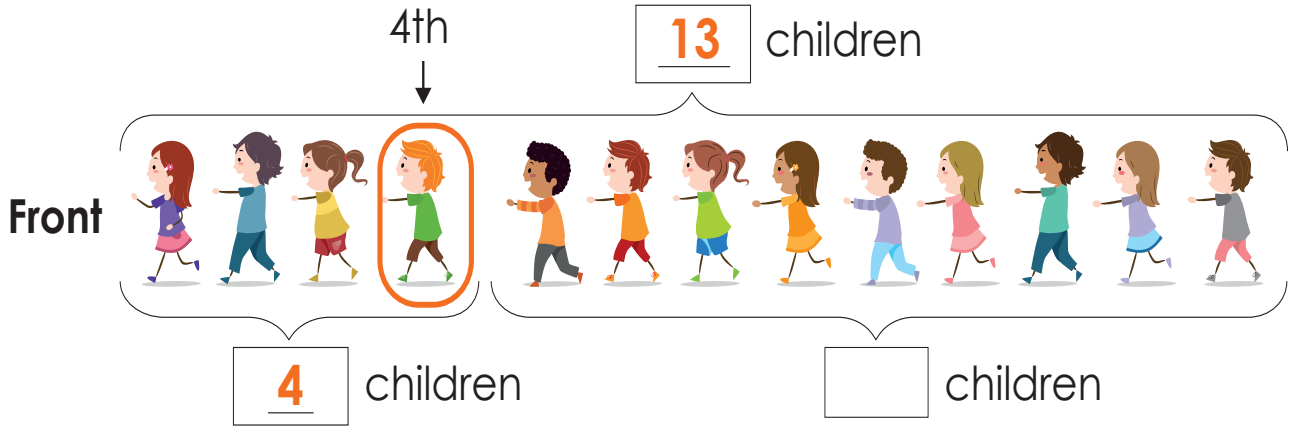
Sara is the 3rd in the line from the front. There are 7 people behind Sara in the line. How many people are there in all?



Mathematical sentence: 3 + 7 = 10 Answer: 10 people

Example (2):

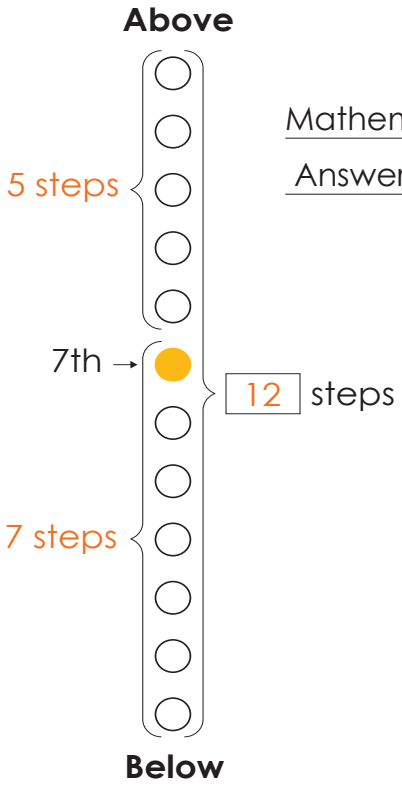
There are 13 children standing in a line. Hassan is the 4th from the front. How many children are behind Hassan?



Mathematical sentence: 13 − 4 = 9 Answer: 9 children

Example (3):

I went up to the 7th step of the stairs. There are still 5 more steps above. How many steps are there in total? Write the mathematical sentence and the answer.

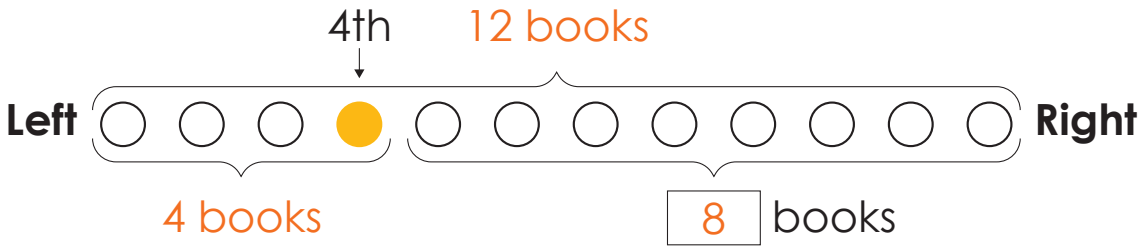


Mathematical sentence: 7 + 5 = 12

Answer: 12 steps

Example (4):

There are 12 books on the bookshelf. The animal book is the 4th book from the left. How many books are to the right of the animal book? Write the mathematical sentence and the answer.

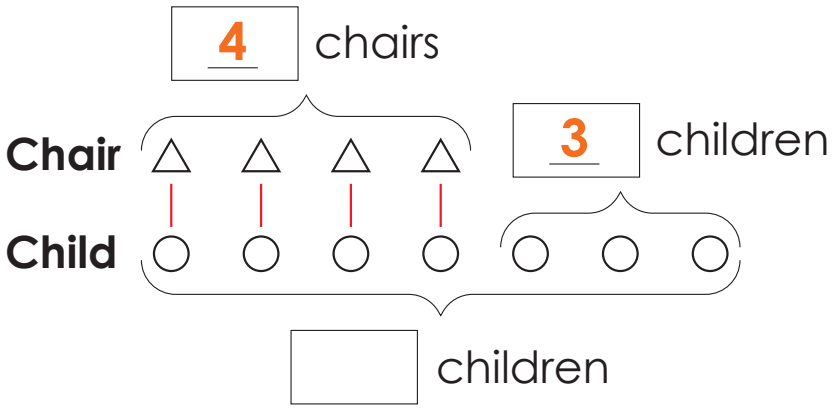


Mathematical sentence: 12 − 4 = 8

Answer: 8 books

Example (5):

There are 4 chairs, and one child is sitting on each chair. There are 3 children standing. How many children are there in total?



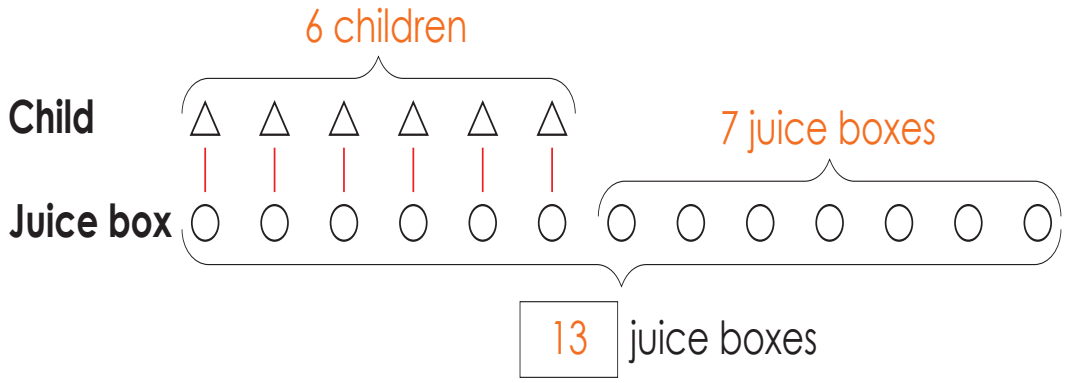
Mathematical sentence: **4 + 3 = 7** Answer: **7 children**

Example (6):

(1) Six children are each drinking one juice box. There are 7 more juice boxes left. How many juice boxes are there in total? Write the mathematical sentence and the answer.

(2) You have 12 sheets of drawing paper. You give 1 sheet to each of the 9 children. How many sheets of drawing paper are left? Write the mathematical sentence and the answer.

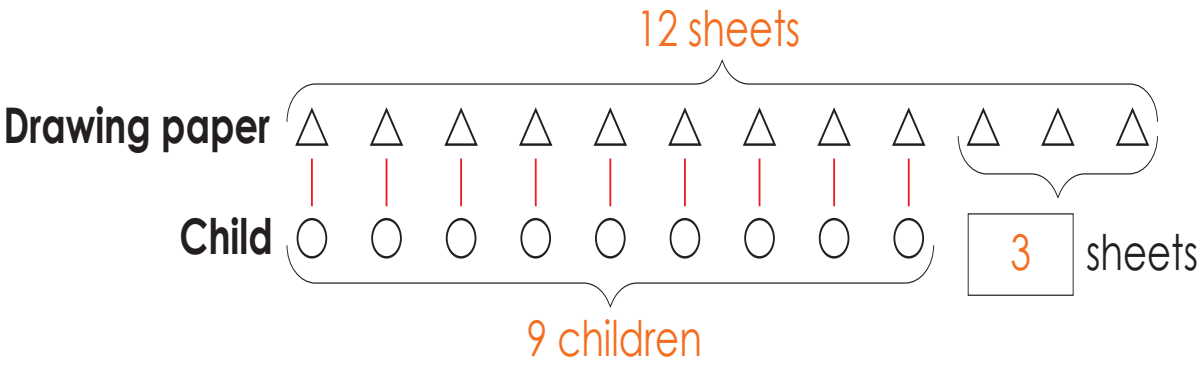
(1) Use △ for a child and ○ for a juice box to draw a diagram.



13 juice boxes

Mathematical sentence: 6 + 7 = 13 Answer: 13 juice boxes

(2) Use △ for a drawing paper and ○ for a child to draw a diagram.

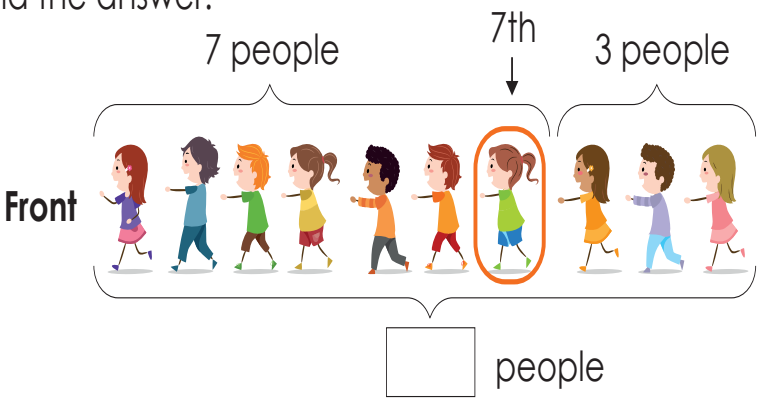


Mathematical sentence: 12 − 9 = 3 Answer: 3 sheets

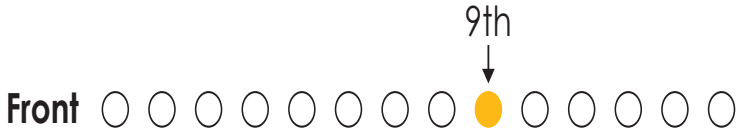
Home work H.W

Ex (1):

(1) Maryam is the 7th in the line from the front. There are 3 people behind Maryam in the line. How many people are there in total? Write the mathematical sentence and the answer.



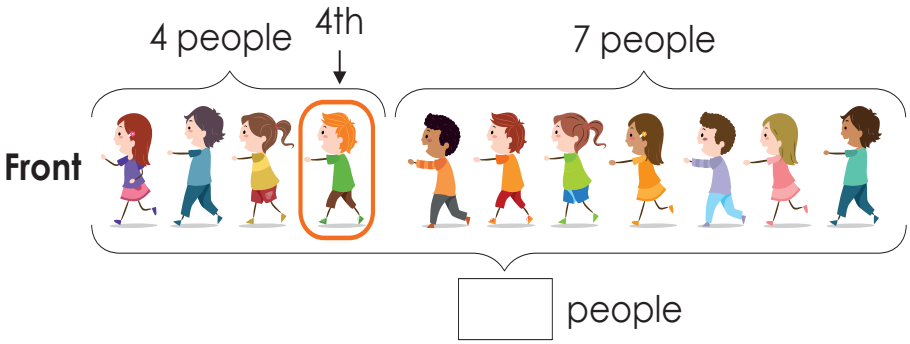
(2) A group of people are standing in a line at the bus stop. Mohammed is the 9th from the front. There are 5 people behind Mohammed in the line. How many people are there in total? Write the mathematical sentence and the answer.



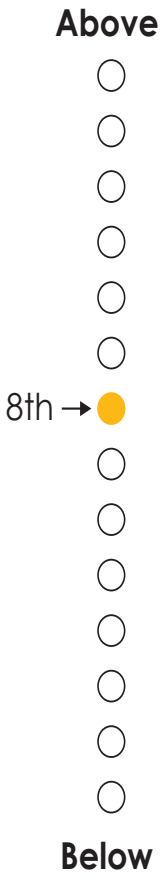
(3) There are 17 steps in total. You went up to the 9th step. How many steps are left? Write the mathematical sentence and the answer.

(4) There are 16 books on the bookshelf. The food book is the 7th book from the left. How many books are to the right of the food book? Write the mathematical sentence and the answer.

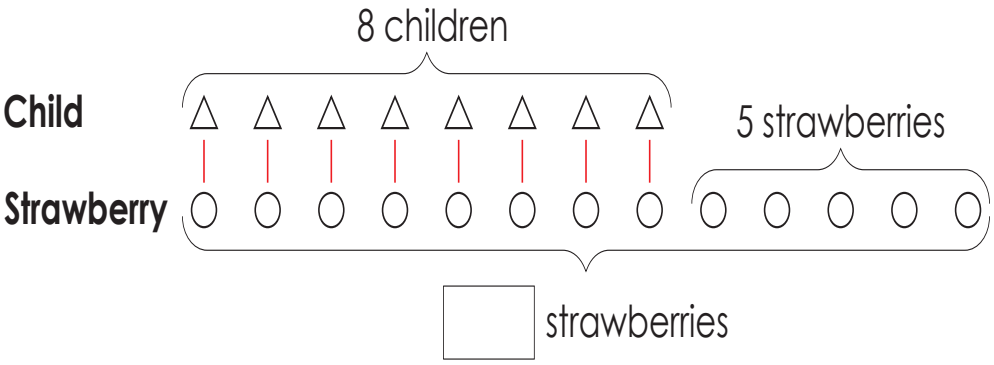
(5) Mahmoud is the 4th in the line from the front. There are 7 people behind Mahmoud in the line. How many people are there in total? Write the mathematical sentence and the answer.



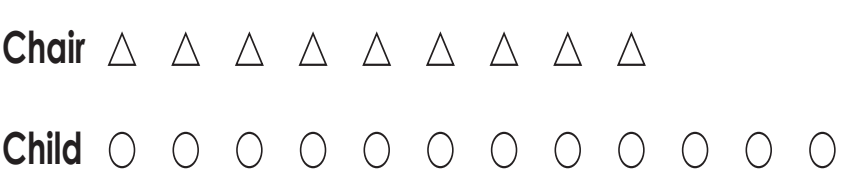
(6) You went up to the 8th step of the stairs. There are still 6 more steps above. How many steps are there in total? Write the mathematical sentence and the answer.



(8) 8 children are each eating one strawberry. There are 5 more strawberries left. How many strawberries are there in total? Write the mathematical sentence and the answer.



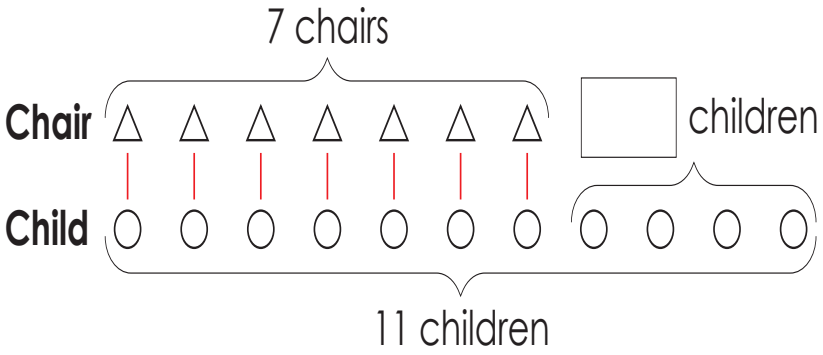
(9) There are 9 chairs, and one child is sitting on each chair. There are 3 children standing. How many children are there in total? Write the mathematical sentence and the answer.



Ex (1):

(1) You have 18 sheets of drawing paper. You give 1 sheet to each of the 9 children. How many sheets of drawing paper are left? Write the mathematical sentence and the answer.

(4) 7 chairs are available. 11 children will each sit on one chair. How many children will not be able to sit on a chair? Write the mathematical sentence and the answer.



(5) There are 13 cakes. 5 children each eat 1 cake. How many cakes are left? Write the mathematical sentence and the answer.

Cake △ △ △ △ △ △ △ △ △ △ △ △ △

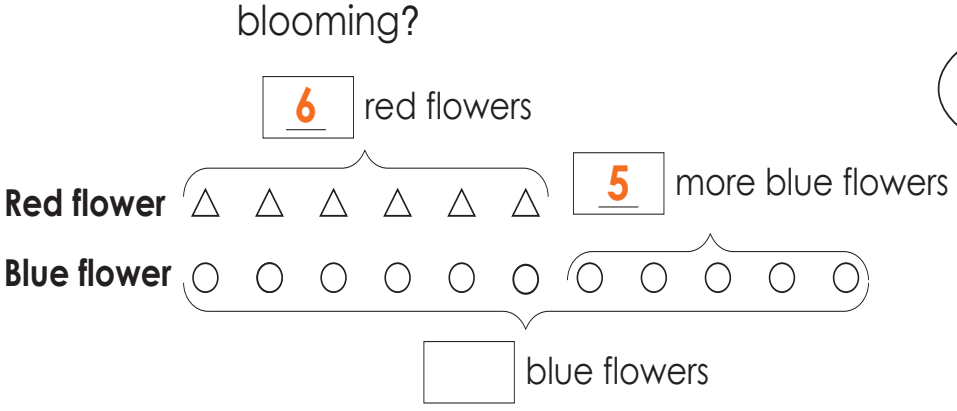
Child ○ ○ ○ ○ ○

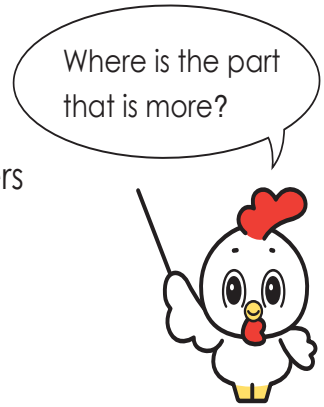
(6) You bought candy and gave it to 10 children. You still have 6 candies left. How many candies did you buy in total? Write the mathematical sentence and the answer.

Addition and Subtraction

Example (1):

There are 6 red flowers blooming. It seems there are 5 more blue flowers than red flowers. How many blue flowers are blooming?





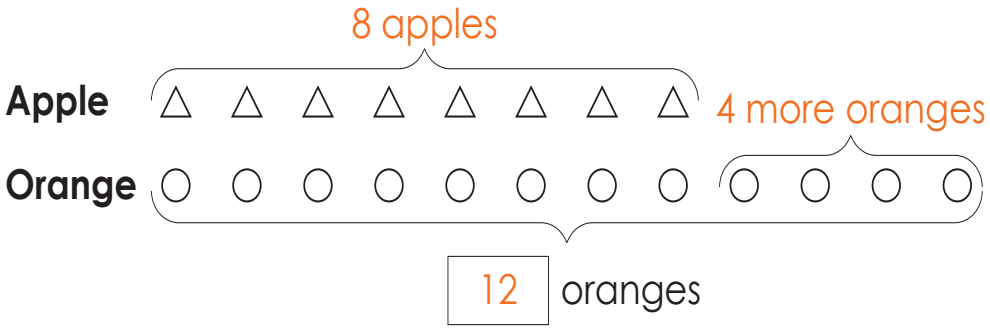
Mathematical sentence: 6 + 5 = 11

Answer: 11 blue flowers

Example (2):

You bought 8 apples. You bought 4 more oranges than apples. How many oranges did you buy? Write the mathematical sentence and the answer.

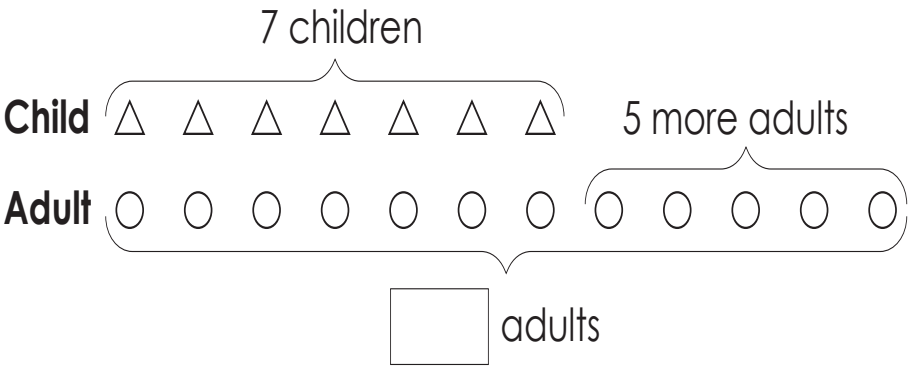
Use △ for an apple and ○ for an orange to draw a diagram.



Mathematical sentence: 8 + 4 = 12 Answer: 12 oranges

Example (3):

(1) There are 7 children. There are 5 more adults than children. How many adults are there? Write the mathematical sentence and the answer.

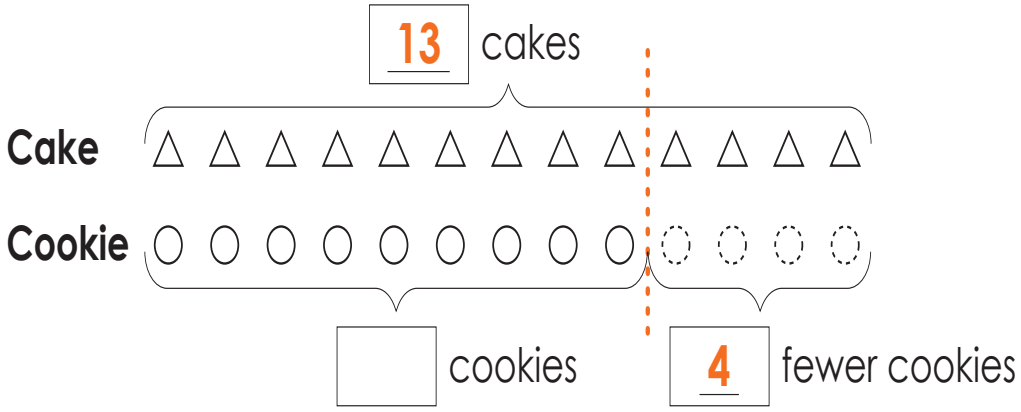


(2) There are 6 dogs. It seems there are 7 more cats than dogs. How many cats are there? Write the mathematical sentence and the answer.

(3) There are 9 blue pens. It seems there are 8 more red pens than blue pens. How many red pens are there? Write the mathematical sentence and the answer.

Example (4):

There are 13 cakes. It seems there are 4 fewer cookies than cakes. How many cookies are there?

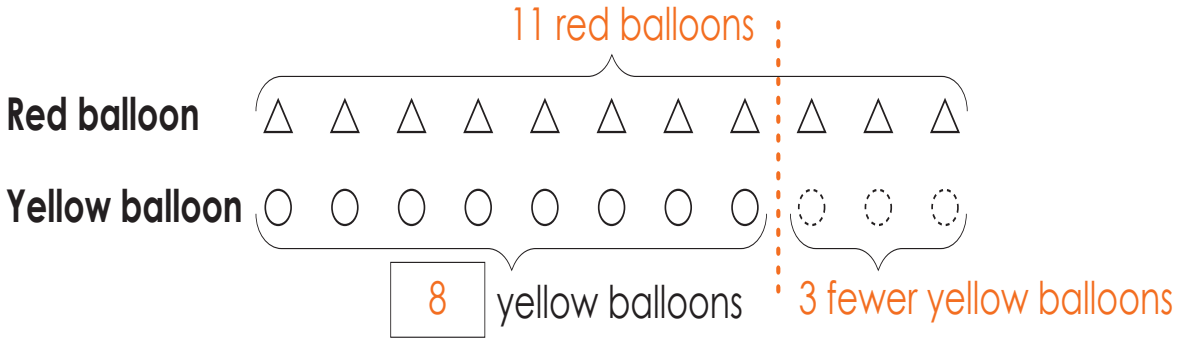


Mathematical sentence: 13 − 4 = 9 Answer: 9 cookies

Example (5):

There are 11 red balloons. It seems there are 3 fewer yellow balloons than red balloons. How many yellow balloons are there? Write the mathematical sentence and the answer.

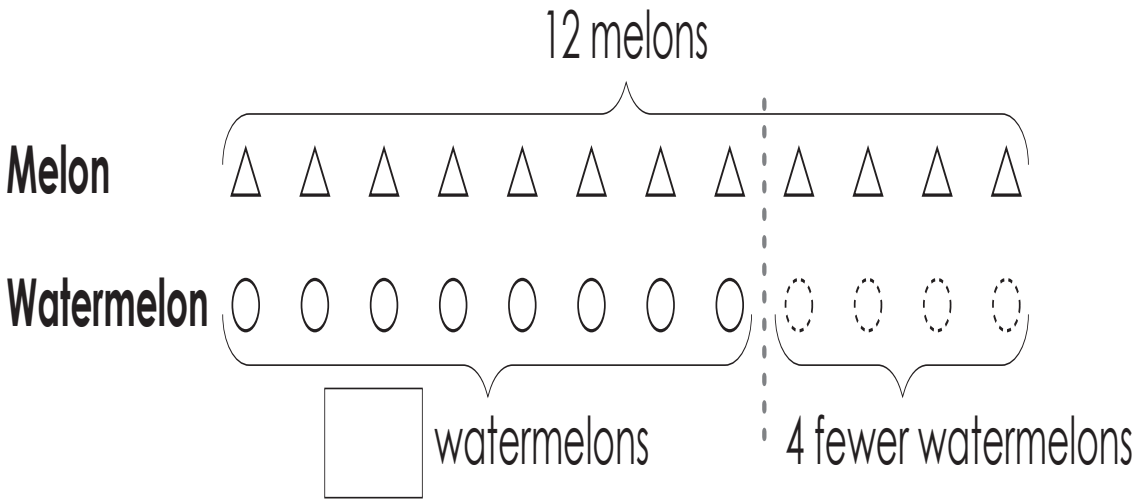
Use △ for a red balloon and ○ for a yellow balloon to draw a diagram.



Mathematical sentence: 11 − 3 = 8 Answer: 8 yellow balloons

Example (6):

(1) There are 12 melons. It seems there are 4 fewer watermelons than melons. How many watermelons are there? Write the mathematical sentence and the answer.

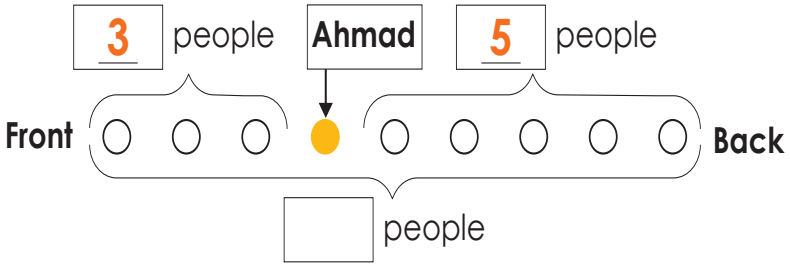


(2) There are 15 ducks. It seems there are 8 fewer chickens than ducks. How many chickens are there? Write the mathematical sentence and the answer.

(3) Hassan read 14 pages of a book. Sora read 5 fewer pages than Hassan. How many pages did Sora read? Write the mathematical sentence and the answer.

Example (7):

The people are standing in a line. There are 3 people in front of Ahmad, and there are 5 people in back of him. How many people are there in the line in all?



Way of thinking 〈1〉

Mathematical sentence: 3 + 5 + 1 = 9 Answer: 9 people

The people in front (3) + The people in back (5) +Ahmad (1)

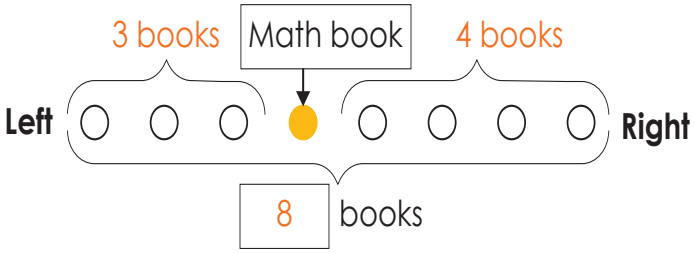
Way of thinking 〈2〉

Mathematical sentence: 3 + 1 + 5 = 9 Answer: 9 people

The people in front (3) + Ahmad (1) + The people in back (5)

Example (8):

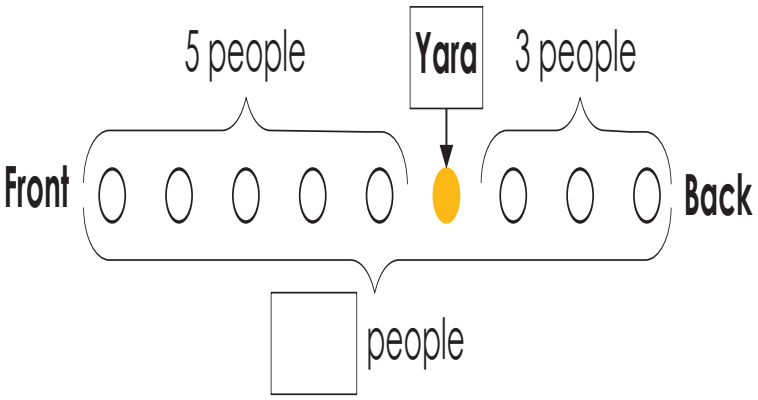
There are books on a bookshelf. There are 3 books to the left of the Math book, and 4 books to the right. How many books are there in all? Write the mathematical sentence and the answer.



Mathematical sentence: 3 + 4 + 1 = 8 or 3 + 1 + 4 = 8 Answer: 8 books

Example (9):

(1) There are people in a line at the bus stop. There are 5 people in front of Yara, and there are 3 people in back of her in the line. How many people are there in the line in all? Write the mathematical sentence and the answer.



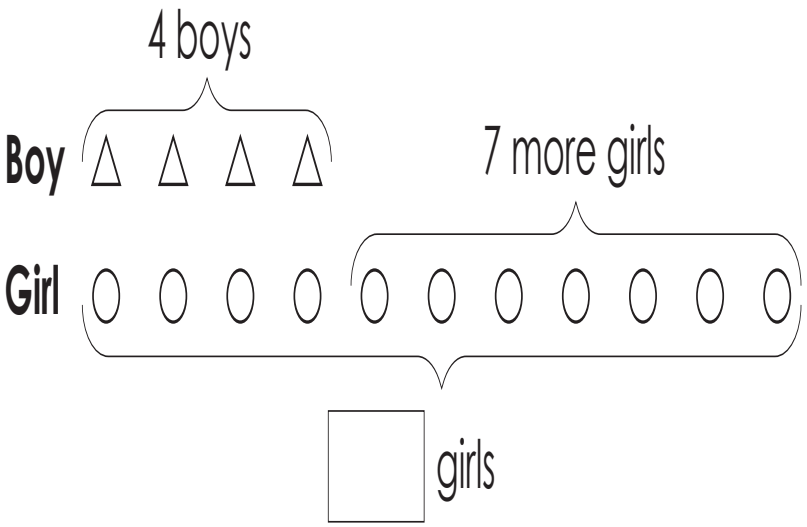
(2) There are different colored crayons in a line. There are 4 crayons to the left of the yellow crayon, and 2 crayons to the right. How many crayons are there in all? Write the mathematical sentence and the answer.

(3) Fatma is climbing the stairs. When she counted partway up, there were 6 steps below her and 6 steps above her. How many steps are there in all? Write the mathematical sentence and the answer.

Home work H.W

Ex (1):

(1) There are 4 boys. It seems there are 7 more girls than boys. How many girls are there? Write the mathematical sentence and the answer.



(2) You have 5 tomatoes. It seems you have 6 more potatoes than tomatoes. How many potatoes do you have? Write the mathematical sentence and the answer.

(3) You have 3 candies. It seems there are 9 more cookies than candies. How many cookies are there? Write the mathematical sentence and the answer.

(2) Answer the following:

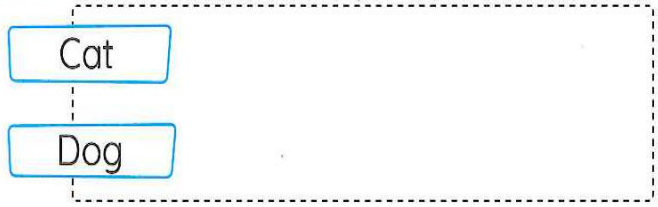
▶ Use △ and ○ to draw a diagram, then write the mathematical sentence and the answer.

1 There are 5 cats in the garden. The number of dogs is 3 more than the number of cats. How many dogs are there?

Solution

Mathematical sentence: .....

Answer: .....



2 There are 9 red flowers in the garden, and the yellow flowers are 4 more than the red flowers. How many yellow flowers are there?

Solution

Mathematical sentence: .....

Answer: .....

3 There are 9 bananas in the basket, and the apples are 4 less than the bananas. How many apples are there?

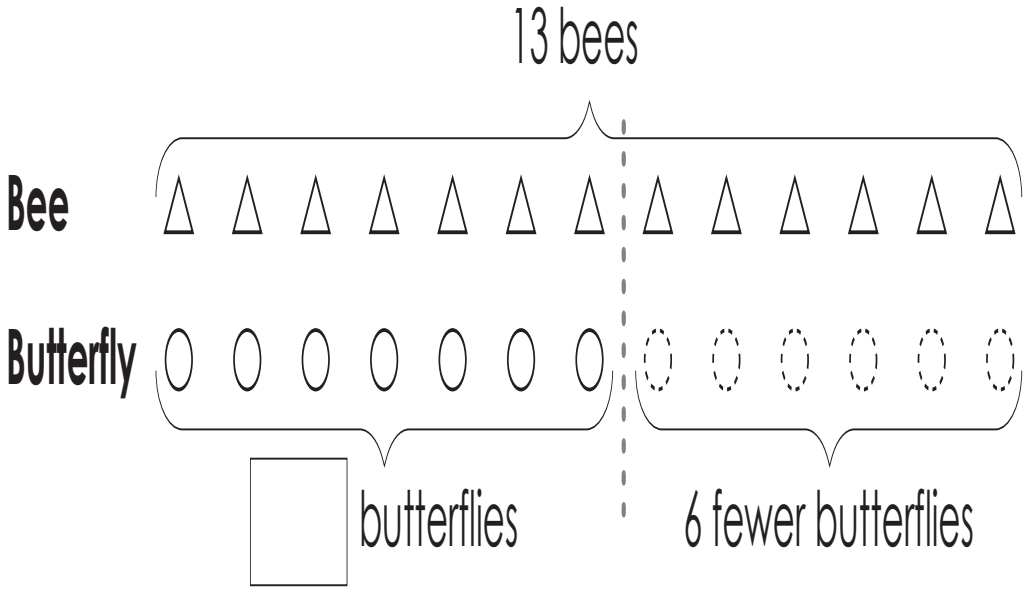
Solution

Mathematical sentence: .....

Answer: .....

Ex (3):

(1) There are 13 bees. There are 6 fewer butterflies than bees. How many butterflies are there? Write the mathematical sentence and the answer.



(2) There are 18 children. It seems there are 9 fewer teachers than children. How many teachers are there? Write the mathematical sentence and the answer.

(3) There are 17 camels. It seems there are 8 fewer lions than camels. How many lions are there? Write the mathematical sentence and the answer.

(4) Answer the following:

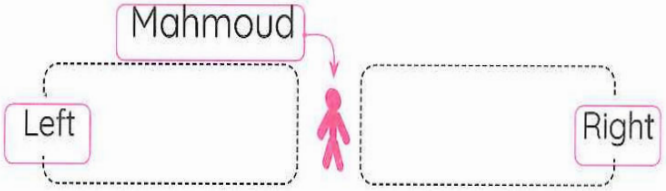
1 Mahmoud sits exactly in the middle among his friends. There are 9 children sitting on the right and the same number on the left. What is the total number of children?

Solution

Mathematical sentence:

.....

Answer: .....



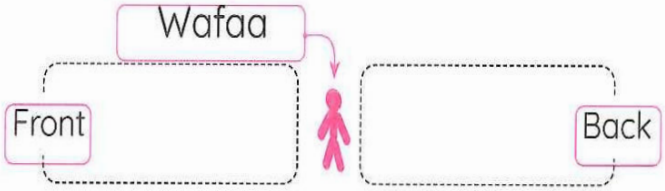
2 Children are standing in one line. Wafaa is standing, with 5 children behind her and 3 children in front of her. How many children are there in total?

Solution

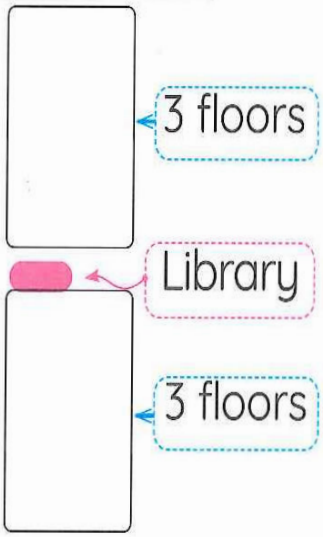
Mathematical sentence:

.....

Answer: .....



3 There are 3 floors below the school library and 3 floors above it. How many floors are there in the school building?



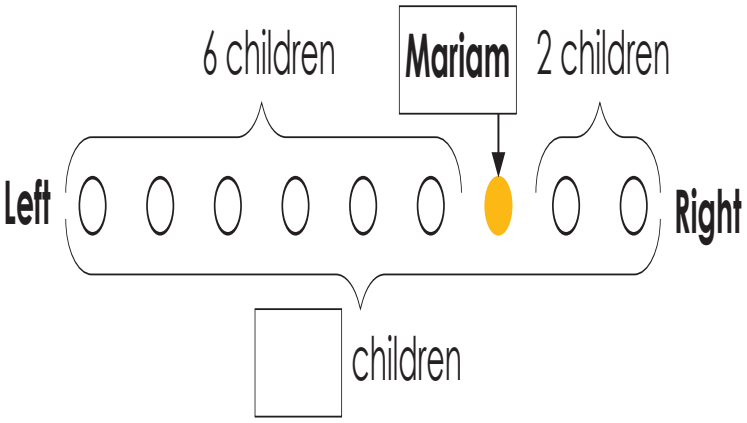
Solution

Mathematical sentence: .....

Answer: .....

(5) Answer the following:

(1) Children are sitting in a row. Mariam is sitting and 6 children is sitting to the left, and there are 2 children to the right. How many children are sitting in all? Write the mathematical sentence and the answer.



(2) There are people in a line in front of the store. There are 3 people in front of Ali, and there are 3 people in back of him in the line. How many people are there in the line in all? Write the mathematical sentence and the answer.

(3) Kareem is climbing the stairs. When he counted partway up, there were 8 steps below him and 5 steps above him. How many steps are there in all? Write the mathematical sentence and the answer.