

# MATHEMATICS FOR PRIMARY TWO FIRST TERM

2026

PREPARED BY

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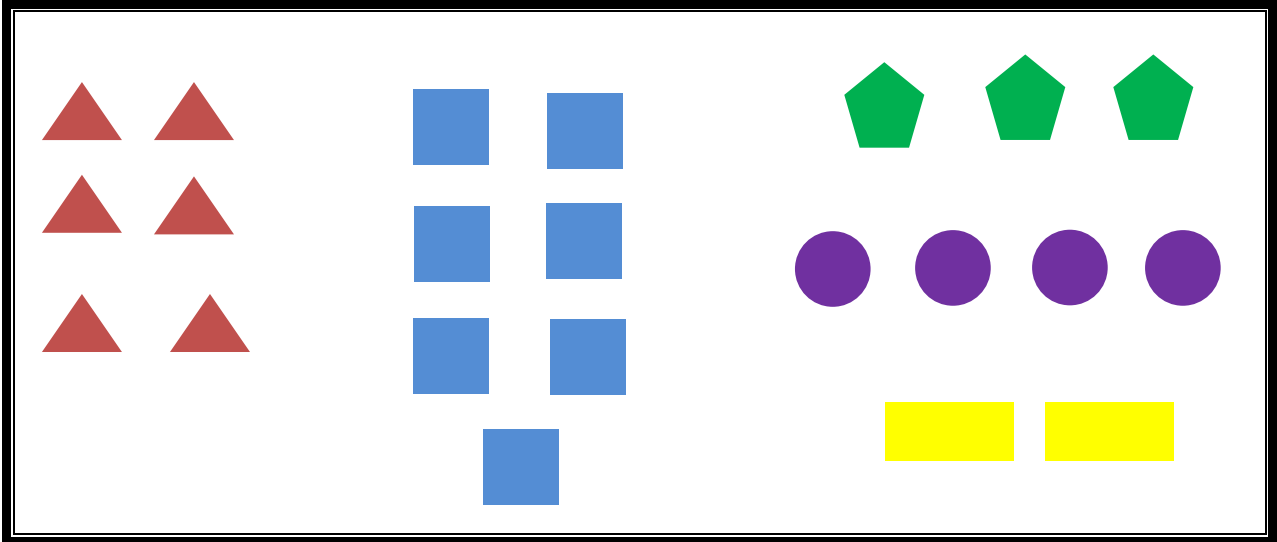




# Sheet (1)

## Collecting and Representing Data

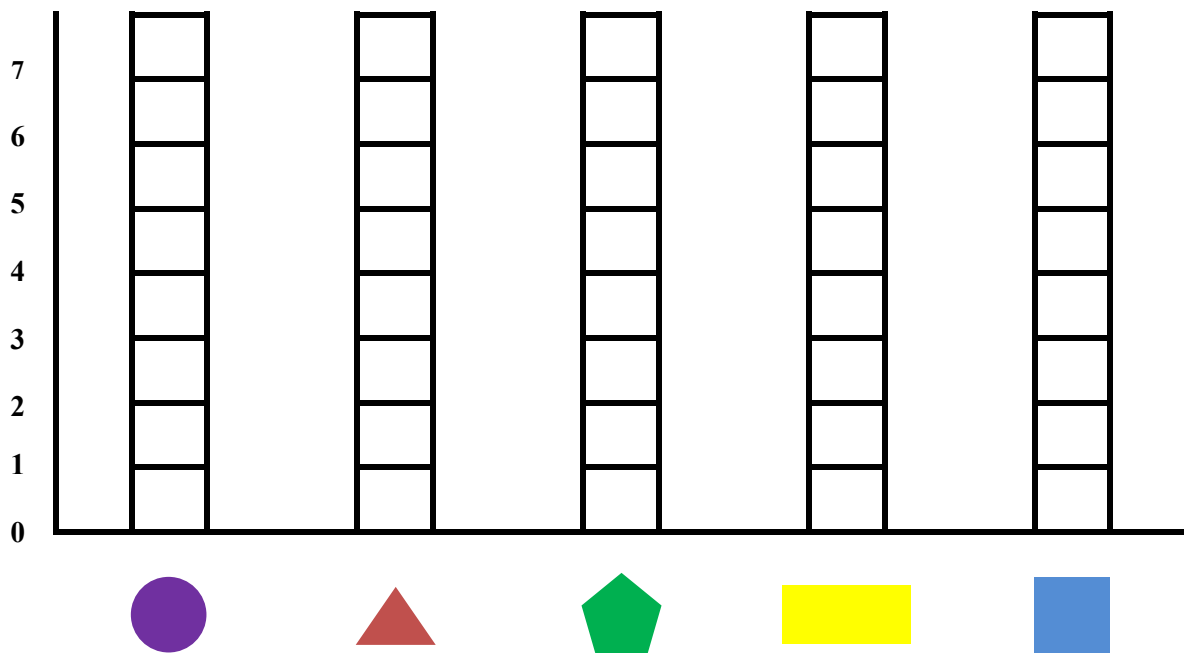
[1] Count the shapes then answer the questions:



Complete the following table:

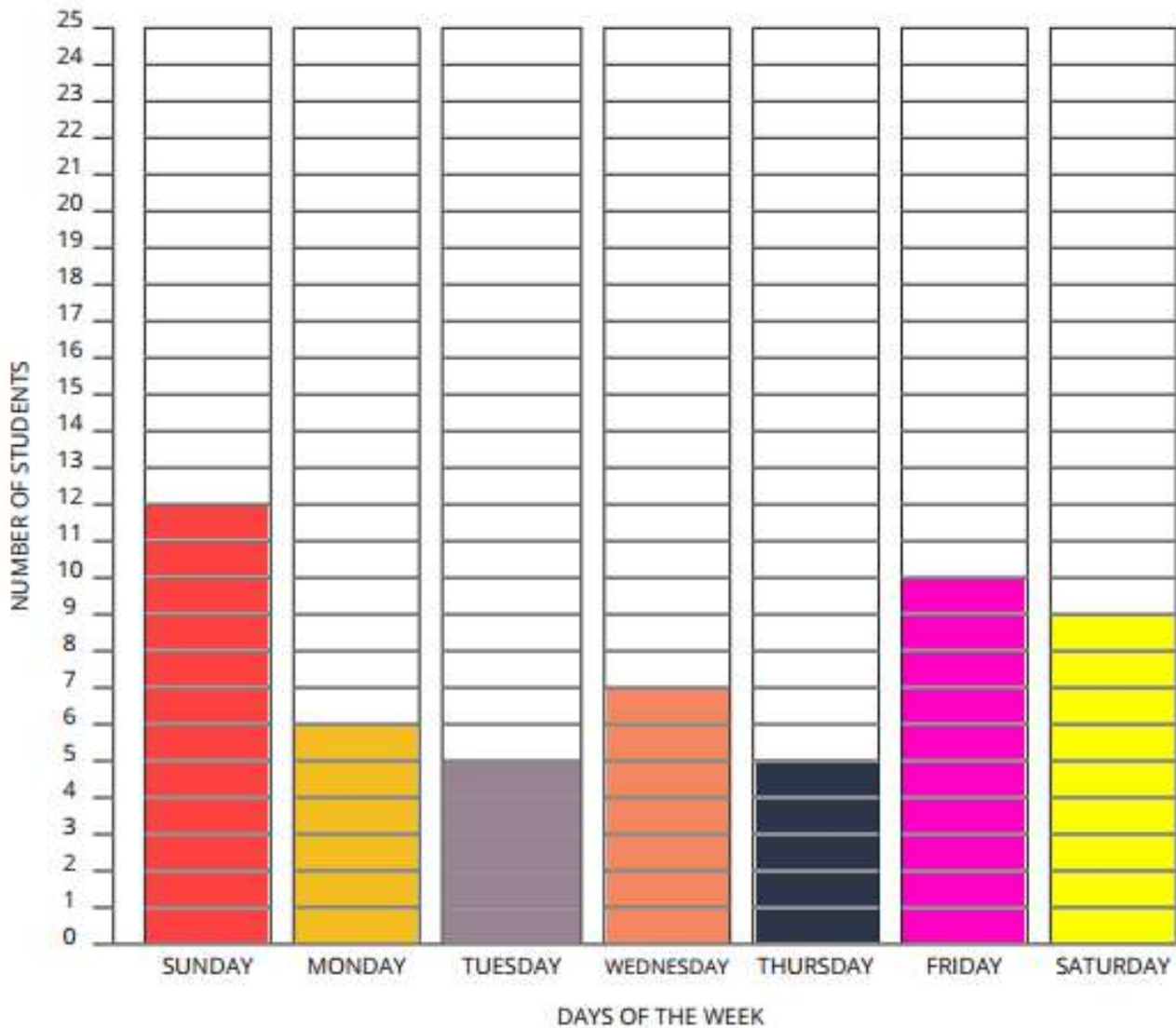
|        |  |  |  |  |  |
|--------|--|--|--|--|--|
| Shape  |  |  |  |  |  |
| Number |  |  |  |  |  |

Represent the previous table graphically:





## [2] Notice the graph then answer the questions:



### Complete the table:

| Days          | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---------------|--------|--------|---------|-----------|----------|--------|----------|
| No. of pupils |        |        |         |           |          |        |          |

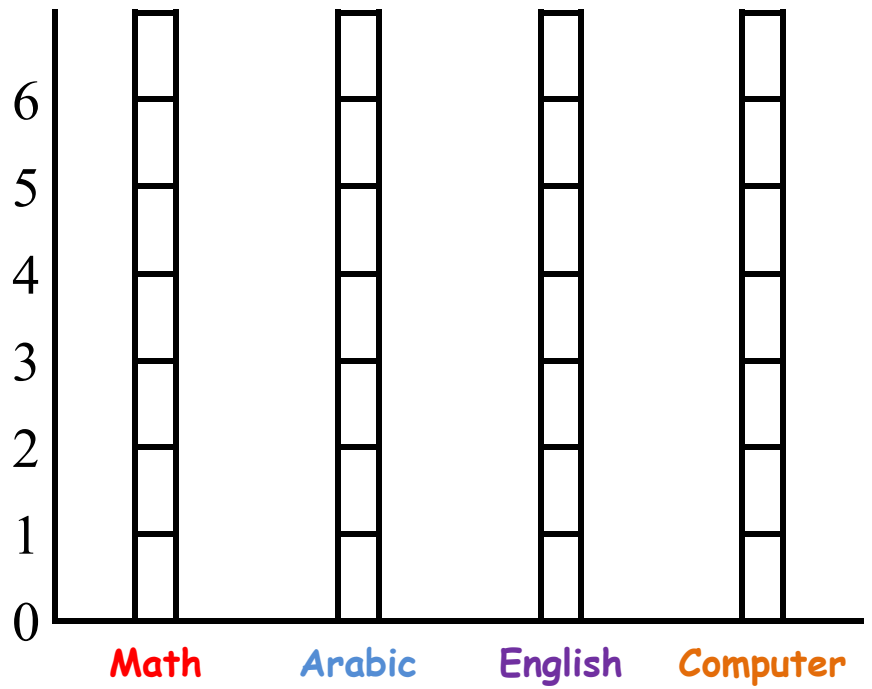
### Complete:

The favorite day in our class is .....



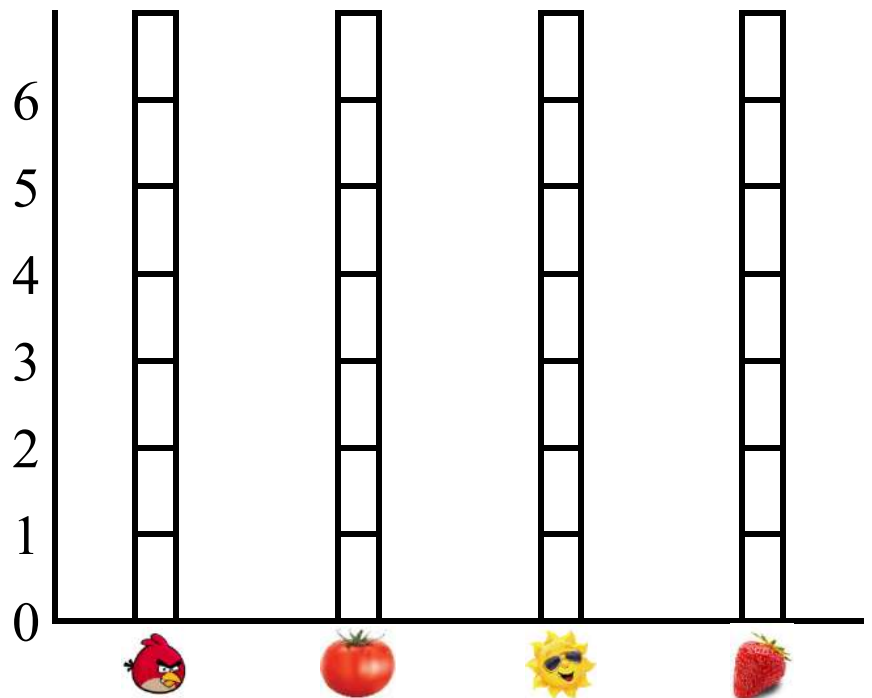
[3] Color the graph:

| Preferred subject | Number |
|-------------------|--------|
| Math              | 4      |
| Arabic            | 6      |
| English           | 5      |
| Computer          | 4      |



[4] Color the graph:

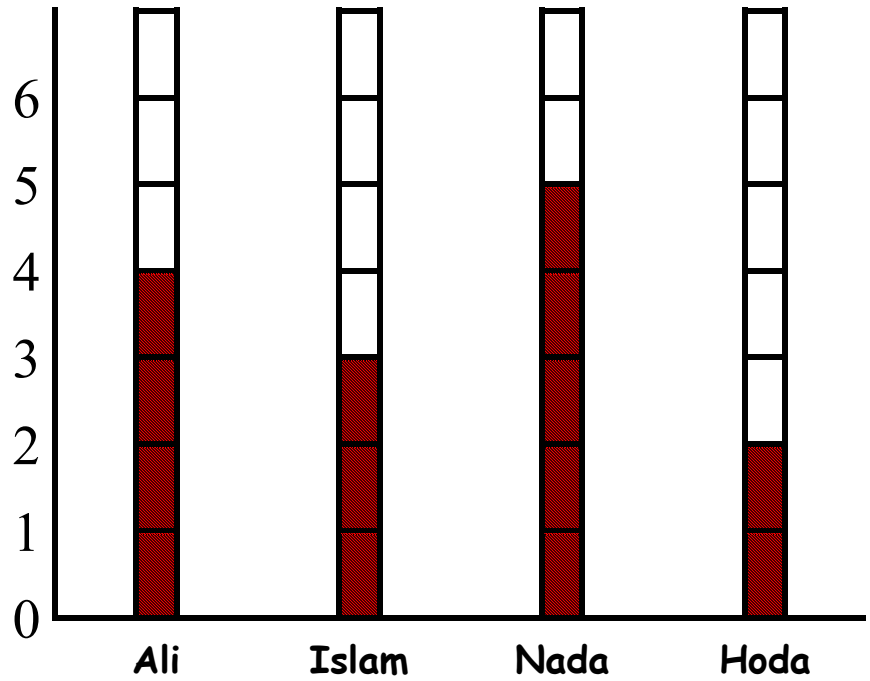
| Preferred subject | Number |
|-------------------|--------|
|                   | 5      |
|                   | 3      |
|                   | 4      |
|                   | 6      |





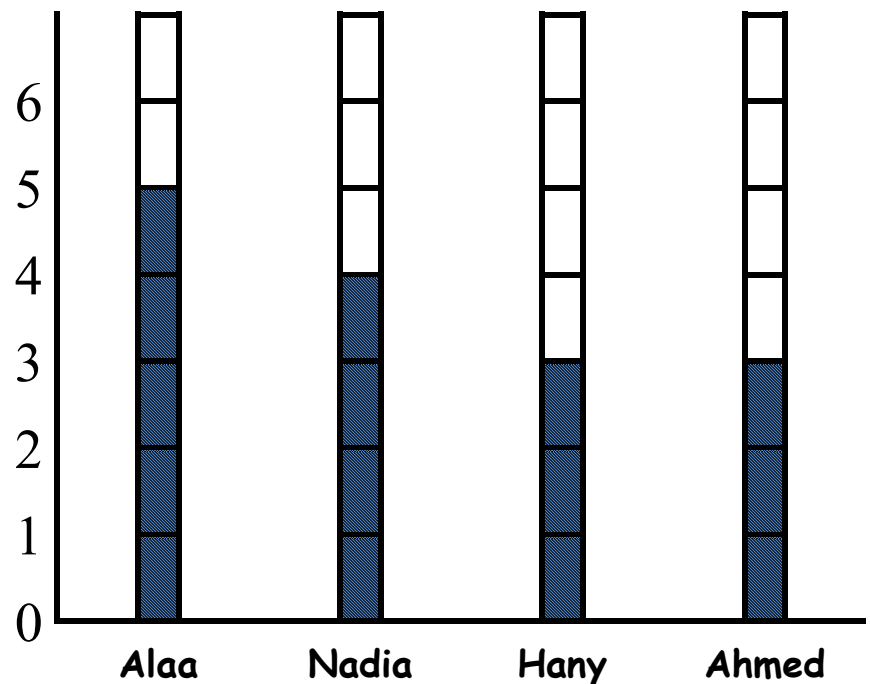
[5] Complete the following table:

| Name  | Money |
|-------|-------|
| Ali   | ..... |
| Islam | ..... |
| Nada  | ..... |
| Hoda  | ..... |



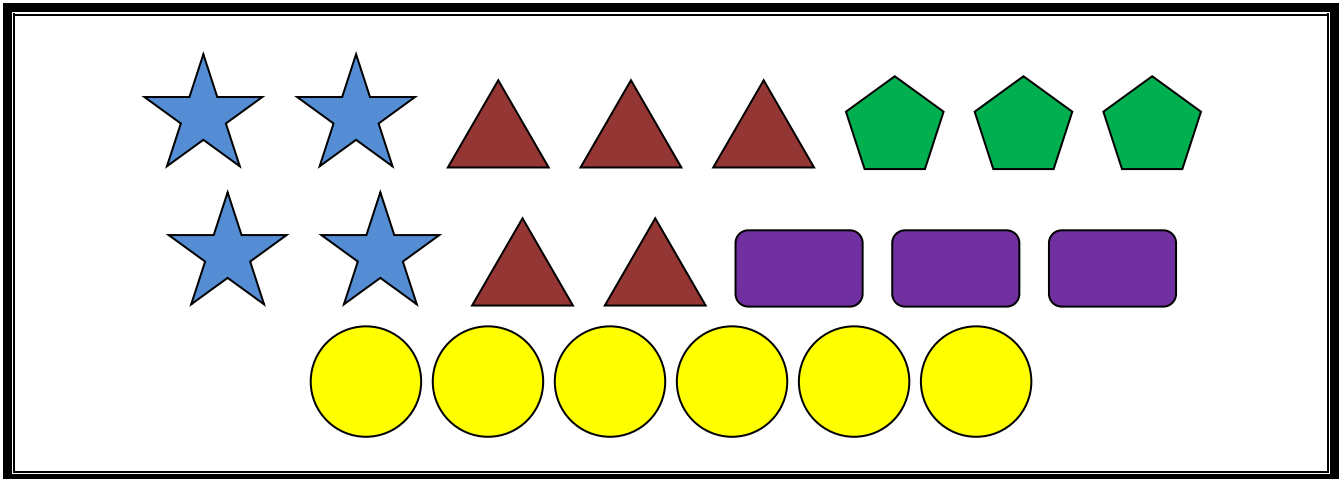
[6] Complete the following table:

| Name  | Money |
|-------|-------|
| Alaa  | ..... |
| Nadia | ..... |
| Hany  | ..... |
| Ahmed | ..... |





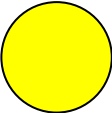




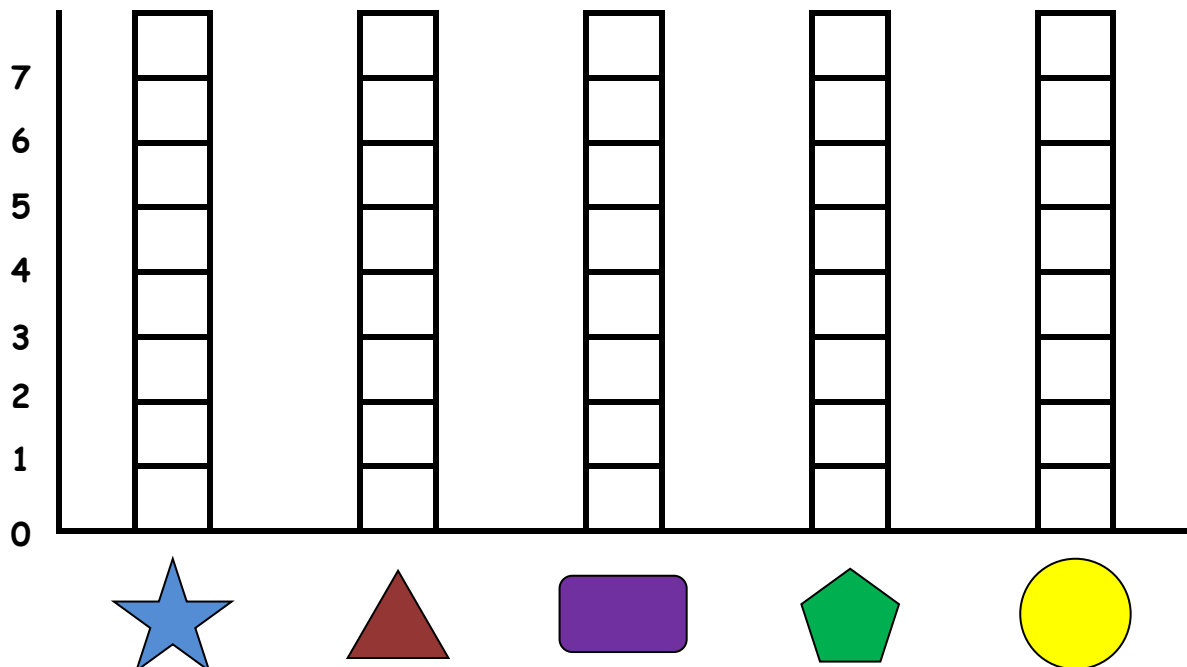
[7] Count the shapes then answer the questions:



Complete the following table:

|        |   |   |   |   |   |
|--------|---|---|---|---|---|
| Shape  |  |  |  |  |  |
| Number |   |   |   |   |   |

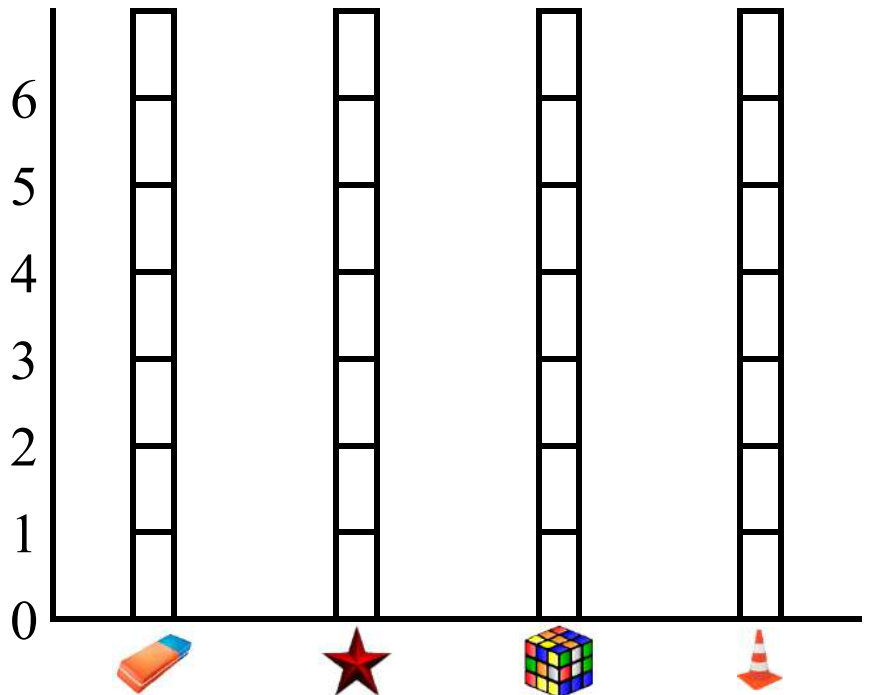
Represent the previous table graphically:



[8] Notice, and then answer the questions:



| Preferred subject | Number |
|-------------------|--------|
|                   | .....  |
|                   | .....  |
|                   | .....  |
|                   | .....  |



Complete using (<), (>) or (=):

- No. of  No. of
- No. of  No. of
- No. of  No. of
- No. of  No. of
- No. of  No. of





[9] Use the key in pictograph to write the numbers in the table:

| Favorite lunch |  |
|----------------|--|
| Soup           |  |
| Salad          |  |
| Pizza          |  |
| Spaghetti      |  |
| Sandwich       |  |

| Favorite lunch |        |
|----------------|--------|
| Food           | Number |
| Soup           | _____  |
| Salad          | _____  |
| Pizza          | _____  |
| Spaghetti      | _____  |
| Sandwich       | _____  |

**Key** = 1 student



[10] Use the key in pictograph to write the numbers in the table:

| Favorite juice |  |
|----------------|--|
| Grapes         |  |
| Orange         |  |
| Strawberry     |  |
| Mango          |  |
| Pineapple      |  |

| Favorite juice |        |
|----------------|--------|
| Flavor         | Number |
| Grapes         | _____  |
| Orange         | _____  |
| Strawberry     | _____  |
| Mango          | _____  |
| Pineapple      | _____  |

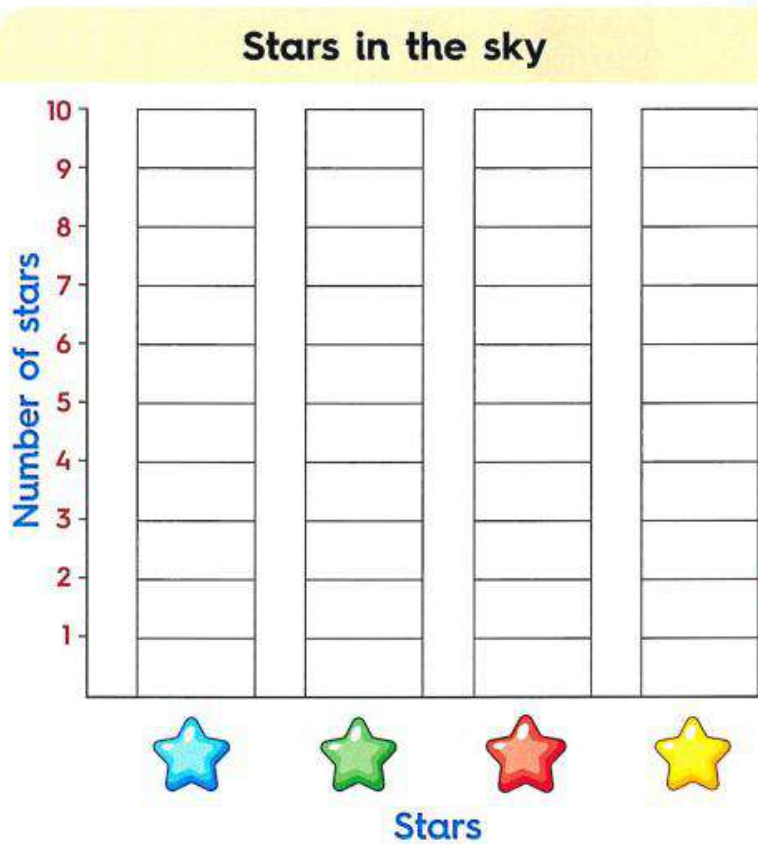
**Key** = 2 students  
 = 1 student



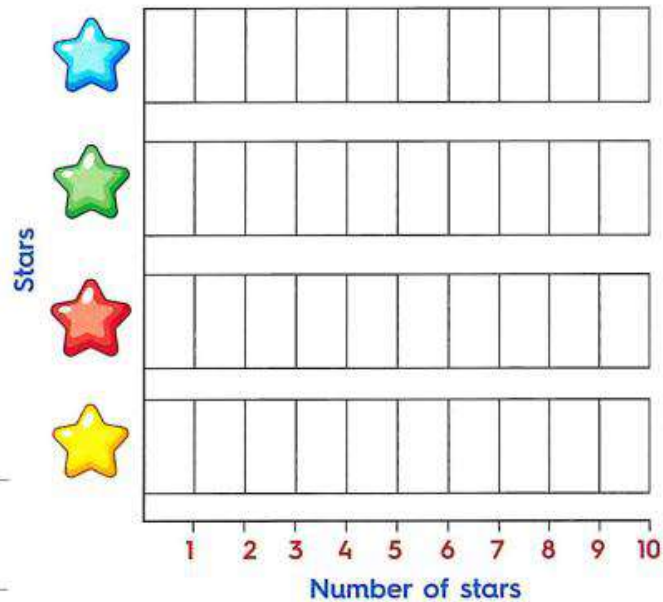


# Homework

Color one box for each star.



Convert the same information from the vertical bar graph into a horizontal bar graph, then complete.



a. The number of is \_\_\_\_\_

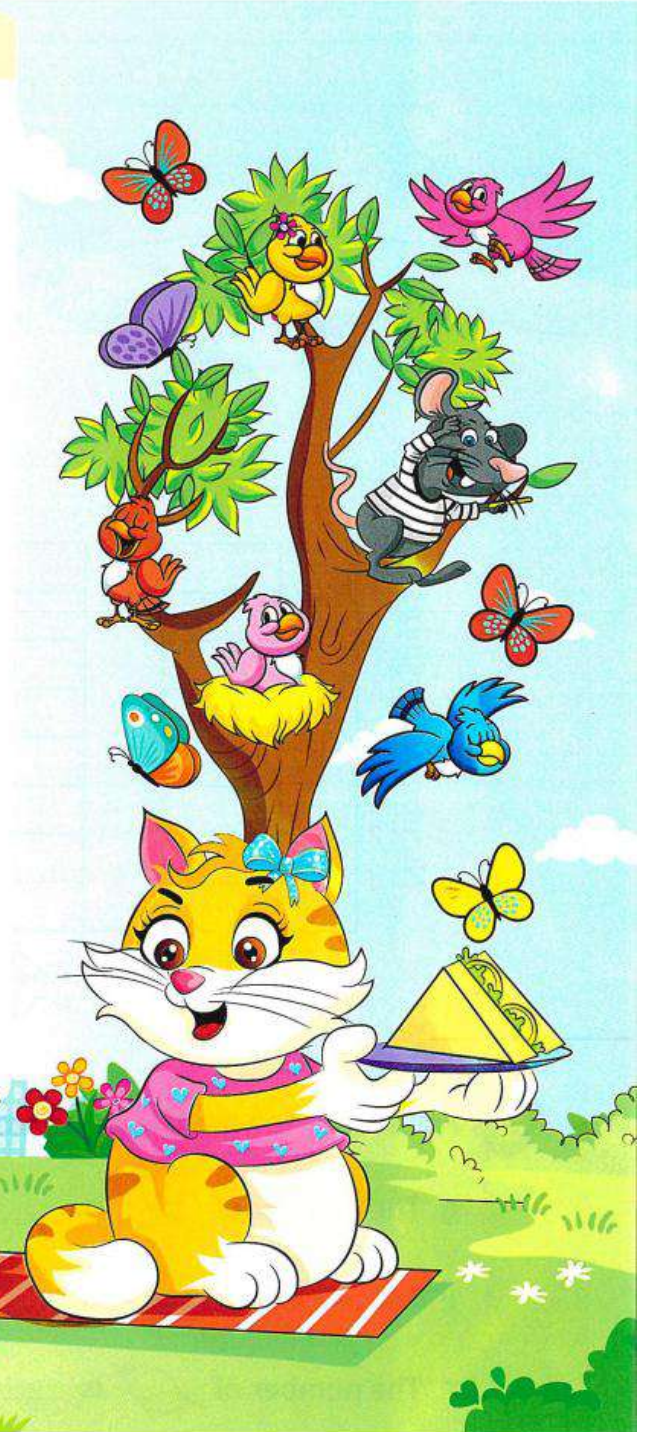
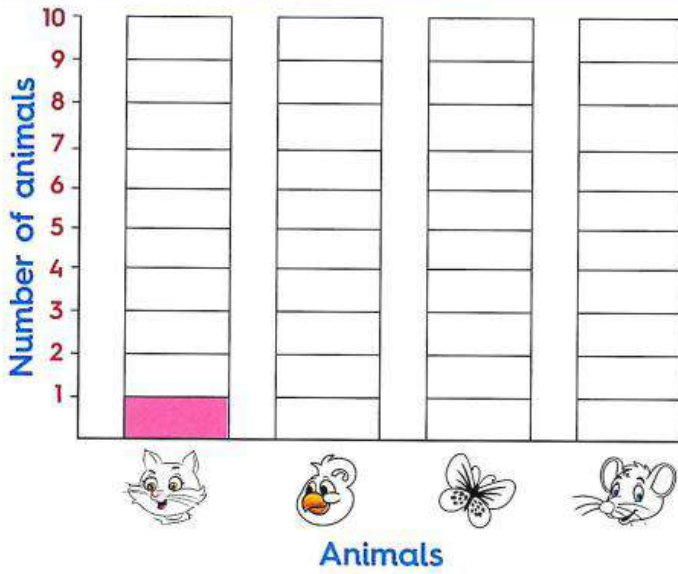
b. The number of is \_\_\_\_\_

c. The number of  The number of ( > or < )



Color one box for each animal. The first one is done for you.

Animals in the garden



From the bar graph, complete.

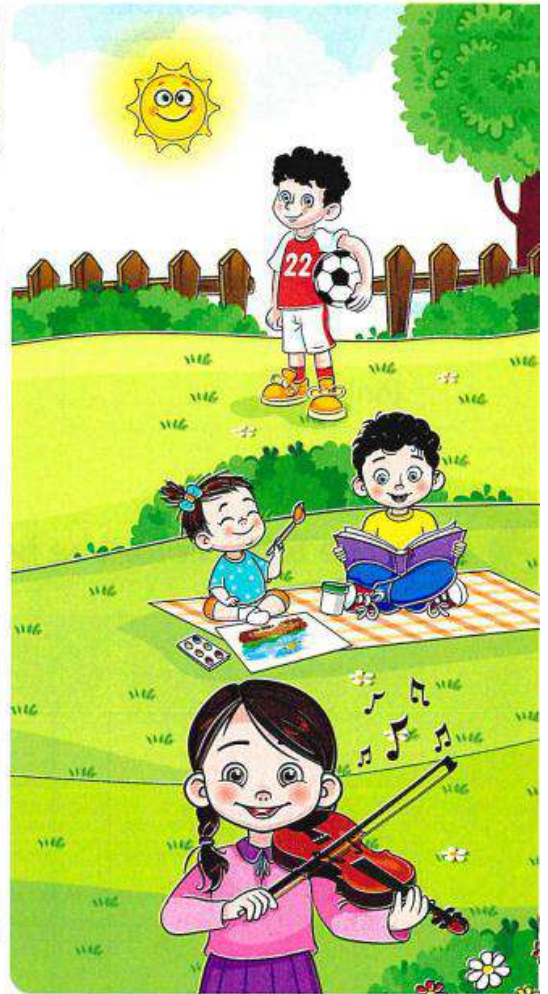
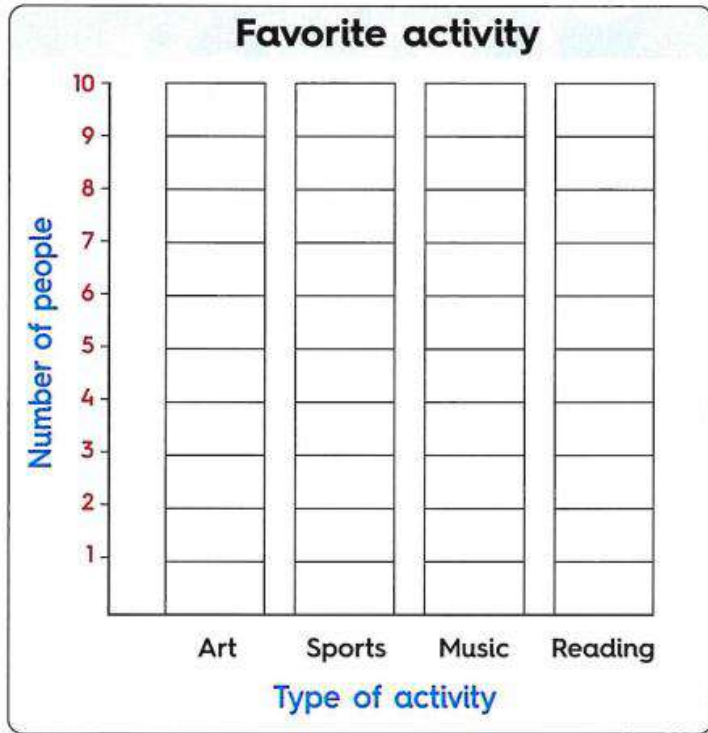
- a. The number of = \_\_\_\_\_
- b. The number of = \_\_\_\_\_
- c. The number of = \_\_\_\_\_
- d. The number of = \_\_\_\_\_





Read the table. Shade in the graph to show the same data.

| Favorite activity |     |        |       |         |
|-------------------|-----|--------|-------|---------|
| Type              | Art | Sports | Music | Reading |
| Number            | 4   | 7      | 5     | 10      |

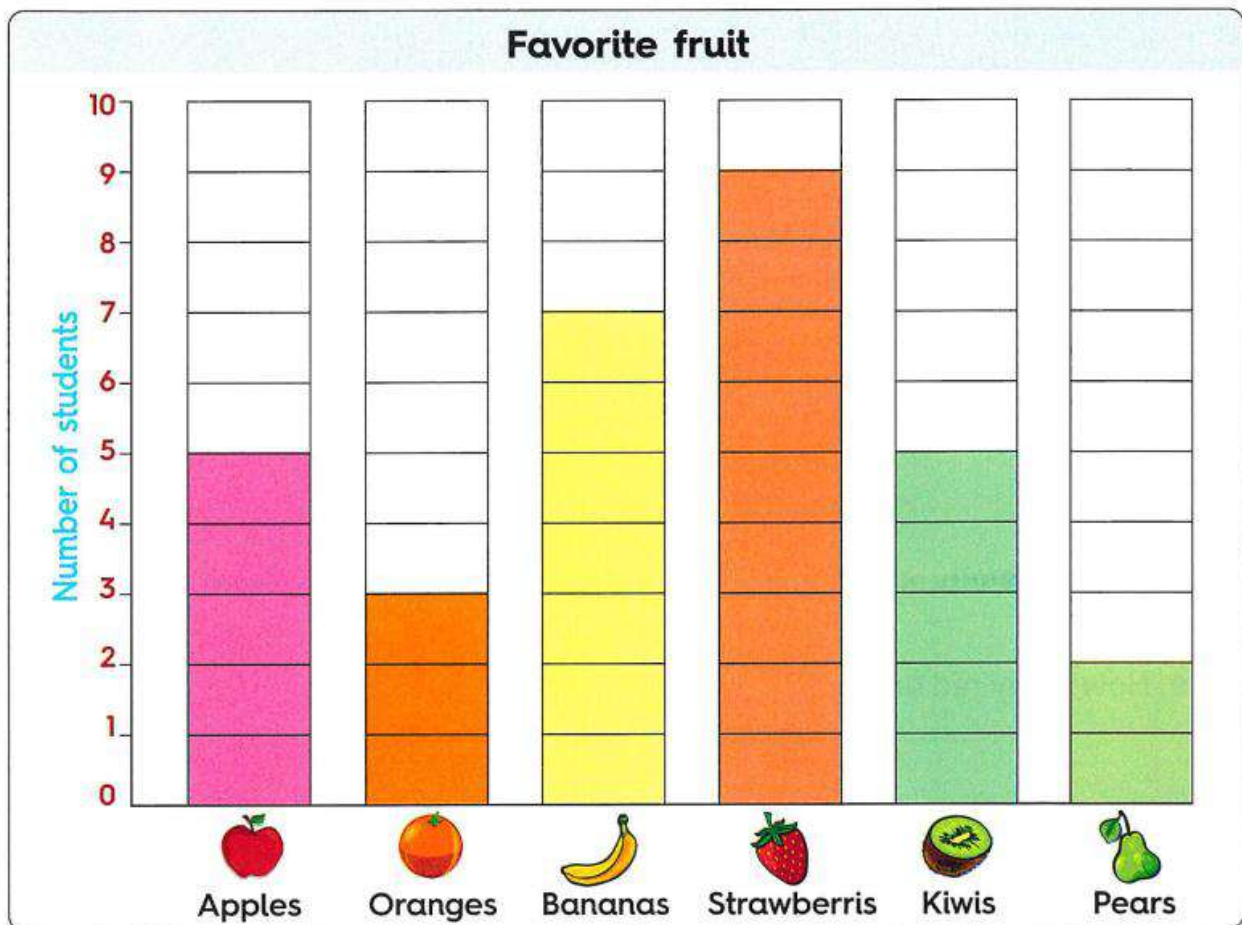


Use the graph to answer the questions.

- Which activity is the most favorite ? \_\_\_\_\_
- Which activity is the fewest favorite ? \_\_\_\_\_
- How many students in all liked art and music ? \_\_\_\_\_
- How many students in all liked sports and reading ? \_\_\_\_\_
- How many students liked sports more than music ? \_\_\_\_\_
- How many students in all liked sports and music ? \_\_\_\_\_



Look at the Favorite fruit graph and then answer questions about the data.



- How many more people liked strawberries than pears ? \_\_\_\_\_
- How many people all together liked kiwis, apples, and oranges ? \_\_\_\_\_
- How many more people liked strawberries than oranges ? \_\_\_\_\_
- How many people in all liked apples, bananas, and pears ? \_\_\_\_\_
- How many people in total shared which fruit they liked best ? \_\_\_\_\_

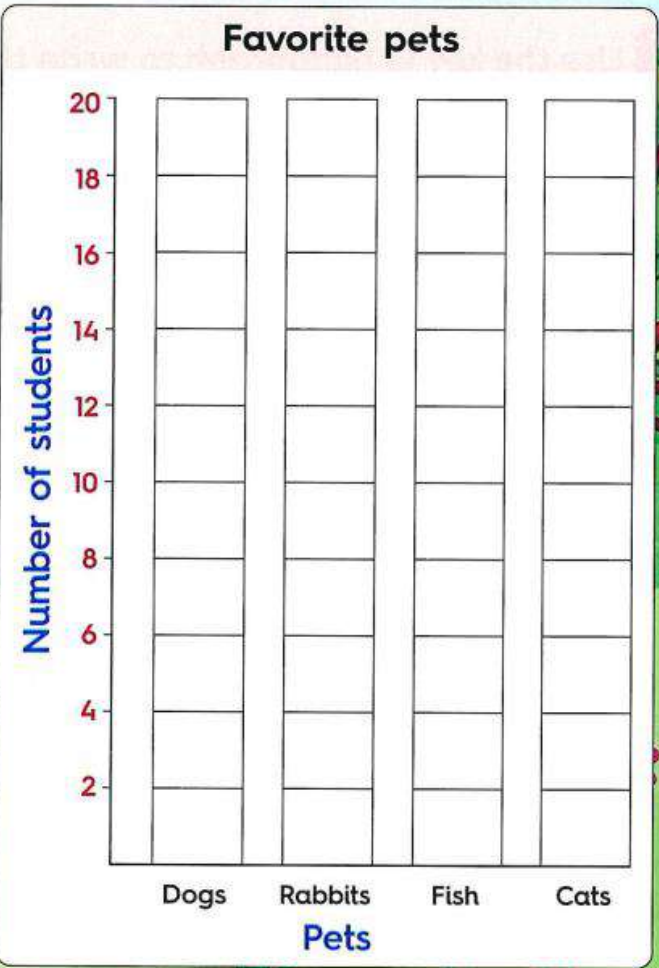
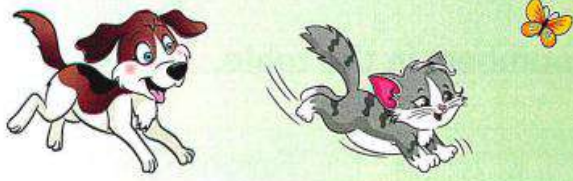




Use the pictograph to color the bar graph.

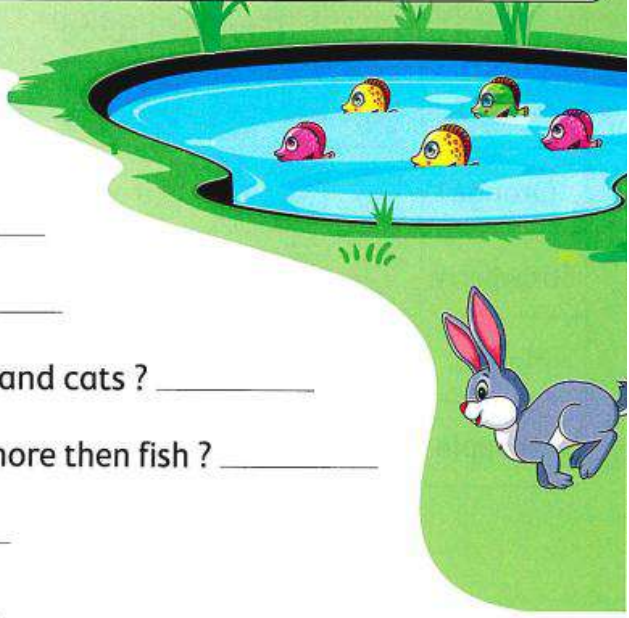
| Favorite pets |  |
|---------------|--|
| Dogs          |  |
| Rabbits       |  |
| Fish          |  |
| Cats          |  |

**Key** = 2 votes



**Answer the questions :**

- a. How many students liked fish ? \_\_\_\_\_
- b. How many students liked dogs ? \_\_\_\_\_
- c. How many students in all liked rabbits and cats ? \_\_\_\_\_
- d. How many more students liked rabbits more then fish ? \_\_\_\_\_
- e. Which pet is liked the most ? \_\_\_\_\_
- f. Which pet is liked the least ? \_\_\_\_\_





## Sheet (2)

[1] Write your answer in the blanks:



$1 + 1 = \underline{\quad}$



$6 + 6 = \underline{\quad}$



$2 + 2 = \underline{\quad}$



$7 + 7 = \underline{\quad}$



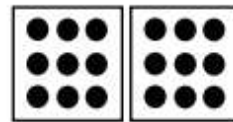
$3 + 3 = \underline{\quad}$



$8 + 8 = \underline{\quad}$



$4 + 4 = \underline{\quad}$



$9 + 9 = \underline{\quad}$



$5 + 5 = \underline{\quad}$



$10 + 10 = \underline{\quad}$

Directions: Use the Doubles mental math strategy to solve.

$1 + 2 = \underline{\quad}$

$3 + 3 = \underline{\quad}$

$3 + 4 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$5 + 6 = \underline{\quad}$

$7 + 7 = \underline{\quad}$

$7 + 8 = \underline{\quad}$

$8 + 8 = \underline{\quad}$

$10 + 10 = \underline{\quad}$





[3] Complete the blanks to get 10:

|     |  |      |
|-----|--|------|
| 1 + |  | = 10 |
| 2 + |  | = 10 |
| 3 + |  | = 10 |
| 4 + |  | = 10 |
| 5 + |  | = 10 |

|      |  |      |
|------|--|------|
| 6 +  |  | = 10 |
| 7 +  |  | = 10 |
| 8 +  |  | = 10 |
| 9 +  |  | = 10 |
| 10 + |  | = 10 |



[4] Complete:

$0 + \square = 10$

$1 + \square = 10$

$2 + \square = 10$

$2 + \square = 10$

$\square + 0 = 10$

$\square + 4 = 10$

$3 + \square = 10$

$\square + 10 = 10$

$8 + \square = 10$

$\square + 2 = 10$

$4 + \square = 10$

$6 + \square = 10$

$\square + 3 = 10$

$5 + \square = 10$

$7 + \square = 10$

$\square + 6 = 10$

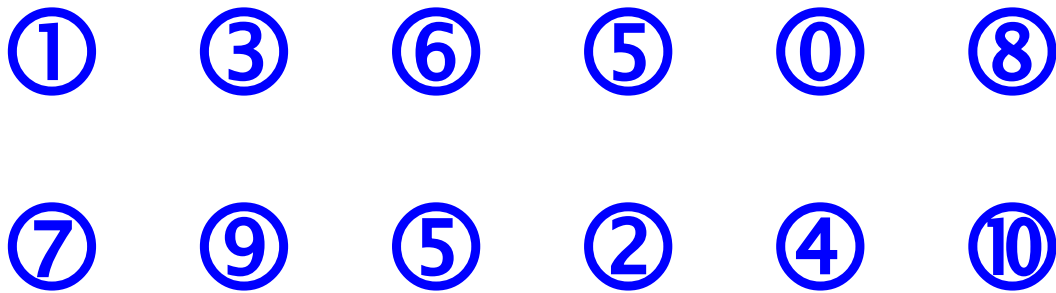
$8 + \square = 10$

$9 + \square = 10$





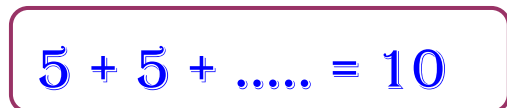
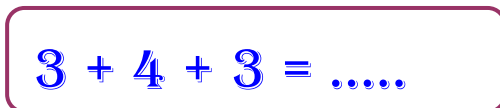
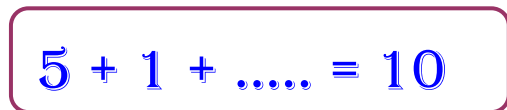
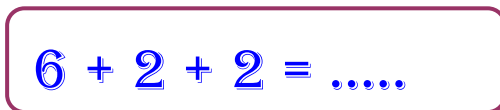
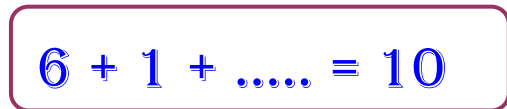
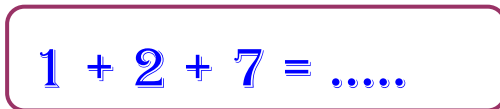
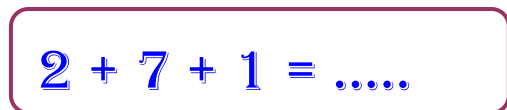
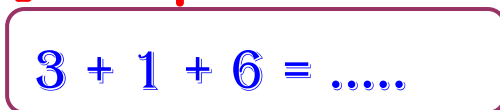
[5] Join to have a sum of 10:



[6] Circle the two numbers whose sum is 10:



[7] Complete:





# Homework

Write the sums.

|       |       |
|-------|-------|
| 2     | 3     |
| + 2   | + 2   |
| _____ | _____ |

|       |       |
|-------|-------|
| 9     | 10    |
| + 9   | + 9   |
| _____ | _____ |

|       |       |
|-------|-------|
| 4     | 5     |
| + 4   | + 4   |
| _____ | _____ |

|       |       |
|-------|-------|
| 5     | 6     |
| + 5   | + 5   |
| _____ | _____ |

|       |       |
|-------|-------|
| 7     | 7     |
| + 7   | + 8   |
| _____ | _____ |

|       |       |
|-------|-------|
| 0     | 0     |
| + 0   | + 1   |
| _____ | _____ |



Circle the greater number. Count on to find the sum.

|       |
|-------|
| 6     |
| + 2   |
| _____ |
| 8     |

|       |
|-------|
| 5     |
| + 8   |
| _____ |
| _____ |

|       |
|-------|
| 9     |
| + 3   |
| _____ |
| _____ |

|       |
|-------|
| 4     |
| + 7   |
| _____ |
| _____ |

|       |
|-------|
| 5     |
| + 2   |
| _____ |
| _____ |

|       |
|-------|
| 8     |
| + 9   |
| _____ |
| _____ |

|       |
|-------|
| 12    |
| + 7   |
| _____ |
| _____ |

|       |
|-------|
| 9     |
| + 10  |
| _____ |
| _____ |

|       |
|-------|
| 6     |
| + 7   |
| _____ |
| _____ |

|       |
|-------|
| 9     |
| + 4   |
| _____ |
| _____ |

|       |
|-------|
| 7     |
| + 8   |
| _____ |
| _____ |

|       |
|-------|
| 9     |
| + 5   |
| _____ |
| _____ |





Circle the smaller number. Count on to find the difference.

$$\begin{array}{r} 9 \\ - 5 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 12 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ - 12 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 2 \\ \hline \end{array}$$



Add.

a.  $4 + 10 = \underline{\quad}$   
 d.  $84 + 10 = \underline{\quad}$   
 g.  $37 + 10 = \underline{\quad}$   
 j.  $17 + 10 = \underline{\quad}$   
 m.  $29 + 10 = \underline{\quad}$   
 p.  $63 + 10 = \underline{\quad}$

b.  $42 + 10 = \underline{\quad}$   
 e.  $21 + 10 = \underline{\quad}$   
 h.  $50 + 10 = \underline{\quad}$   
 k.  $39 + 10 = \underline{\quad}$   
 n.  $80 + 10 = \underline{\quad}$   
 q.  $76 + 10 = \underline{\quad}$

c.  $75 + 10 = \underline{\quad}$   
 f.  $19 + 10 = \underline{\quad}$   
 i.  $67 + 10 = \underline{\quad}$   
 l.  $71 + 10 = \underline{\quad}$   
 o.  $47 + 10 = \underline{\quad}$   
 r.  $22 + 10 = \underline{\quad}$



Complete.

a.  $4 + \underline{\quad} = 10$   
 d.  $5 + \underline{\quad} = 10$   
 g.  $8 + \underline{\quad} = 10$

b.  $7 + \underline{\quad} = 10$   
 e.  $2 + \underline{\quad} = 10$   
 h.  $9 + \underline{\quad} = 10$

c.  $1 + \underline{\quad} = 10$   
 f.  $6 + \underline{\quad} = 10$   
 i.  $\underline{\quad} + 3 = 10$





# Story Problems

## [1] Story problems on addition:

1. Raja counted 7 ants crawling on the sidewalk. Then he found 3 more ants crawling. How many ants did Raja see in all?

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

2. Miryam saw 8 birds flying in the sky. She also saw 4 birds sitting in a tree. How many birds did Miryam see in all?

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

3. Mukhtar has 6 jelly beans in a jar. He has another 8 jelly beans in his pocket. How many jelly beans does Mukhtar have in all?

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

4. Heba has 7 stickers. Her teacher gives her 9 more stickers. How many stickers does Heba have all together?

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$





## [2] Story problems on subtraction:

1. Salma has 18 figs. She eats 10 figs. How many figs does Salma have left?

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

2. Ahmed gathers 15 rocks at the beach. He tosses 6 rocks into the water. How many rocks does Ahmed have left?

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

3. Mustafa has 16 candies. He ate 6 candies. How many candies does Mustafa have left?

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

4. Rashida bought 13 oranges. She gave 3 oranges to her father. How many oranges does she have now?

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$





## [3] Circle the correct number:

$$10 + \text{○} = 15 \quad 3 \text{ or } 5 \text{ or } 8$$

$$7 + \text{○} = 14 \quad 10 \text{ or } 7 \text{ or } 9$$

$$13 + \text{○} = 15 \quad 3 \text{ or } 12 \text{ or } 2$$

$$\text{○} + 16 = 19 \quad 2 \text{ or } 3 \text{ or } 4$$

$$\text{○} + 13 = 17 \quad 4 \text{ or } 14 \text{ or } 3$$

$$13 - \text{○} = 5 \quad 7 \text{ or } 8 \text{ or } 9$$

$$15 - \text{○} = 9 \quad 6 \text{ or } 7 \text{ or } 8$$

$$18 - \text{○} = 10 \quad 12 \text{ or } 10 \text{ or } 8$$

$$12 - \text{○} = 2 \quad 6 \text{ or } 8 \text{ or } 10$$

$$10 - \text{○} = 5 \quad 15 \text{ or } 10 \text{ or } 5$$





## Homework

**1** Mariam has 8 books in Arabic and 5 books in English.

How many books does Mariam have ?

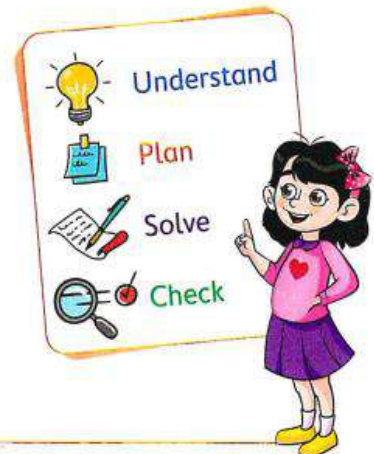
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**2**  Raja counted 7 ants crawling on the sidewalk.

Then he found 3 more ants crawling.

How many ants did Raja see in all ?

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**3** Ali has 7 marbles, his brother give him 6 marbles.

How many marbles does Ali have ?

---



---



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**4** There are 2 crayon boxes, in each box there are 6 crayons.

What is the number of crayons in the two boxes ?

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---



---



- 5**  Mukhtar has 6 jelly beans in a jar. He has another 8 jelly beans in his pocket.  
How many jelly beans does Mukhtar have in all ?

---



---



---



- 6** Ali caught 9 fish and Mina caught 8 fish.  
Find the number of fish with both.

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- 7** Mohamed and Paula are in a volleyball team.  
In the last match Mohamed scored 7 points and Paula scored 5 points.  
What is the number of points that Mohamed and Paula scored ?

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---



---



- 8**  Heba has 7 stickers. Her teacher gives her 9 more stickers.  
How many stickers does Heba have all together ?

---




---



---





- 9**  Miryam saw 8 birds flying in the sky. She also saw 4 birds sitting in a tree.

How many birds did Miryam see in all ?

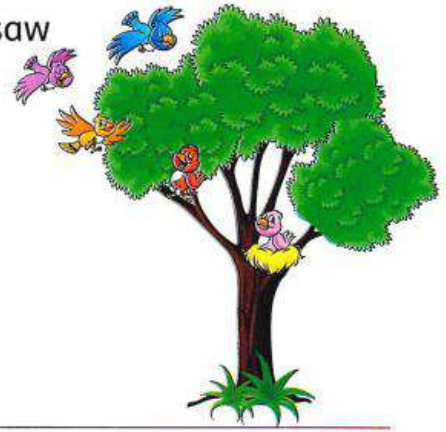
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- 10** There are 2 vases. In each vase there are 7 flowers.

What is the number of flowers in all ?

---



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- 11** Tamer had 8 pens. He gave 6 pens to Jana.

How many pens does Tamer have now ?

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---



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- 12** There are 12 cars in the park, if 9 cars go away.

How many cars are there in the car park now ?

---



---



---





- 13** Khadega bought 15 candies, she gave 6 candies to her brother.

How many candies does Khadega have now ?

---



---



---



- 14** Farida had 11 oranges, she ate 7 of them.

How many oranges are remained with Farida ?

---



---



---



- 15** There are 12 people in a bus, if 7 of them get off the bus.

How many people are remained in the bus ?

---



---



---



- 16** Ahmed gathers 15 rocks at the beach. He tosses 6 rocks into the water.

How many rocks does Ahmed have left ?

---



---



---





# ACTIVITY

Use the 120 chart to find the results

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

$23 + 34 = \dots\dots$

$12 + 24 = \dots\dots$

$32 + 25 = \dots\dots$

$45 + 33 = \dots\dots$

$37 + 44 = \dots\dots$

$78 - 35 = \dots\dots$

$98 - 45 = \dots\dots$

$65 - 31 = \dots\dots$

$79 - 54 = \dots\dots$

$21 + 36 = \dots\dots$

$23 + 62 = \dots\dots$

$37 + 21 = \dots\dots$

$72 + 13 = \dots\dots$

$78 - 13 = \dots\dots$

$85 - 63 = \dots\dots$

$67 - 24 = \dots\dots$

$24 - 10 = \dots\dots$

$54 - 32 = \dots\dots$

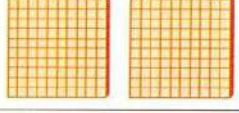

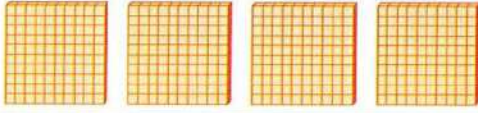

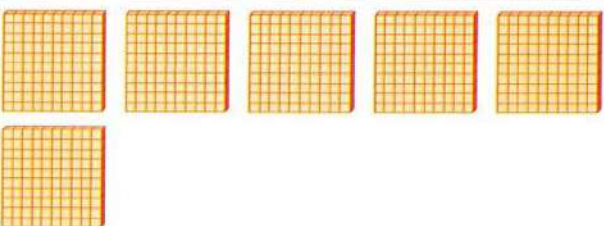
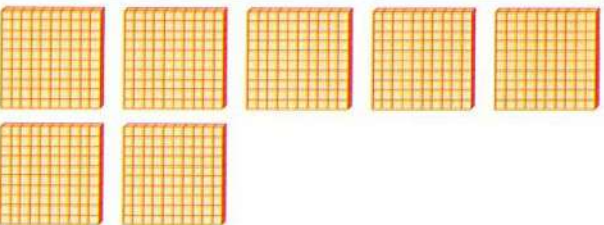
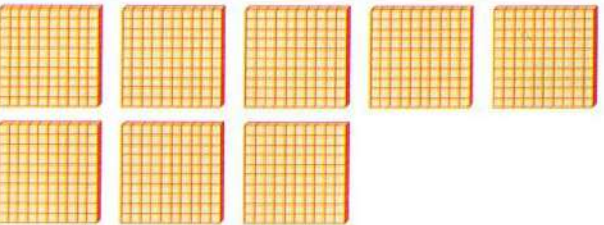
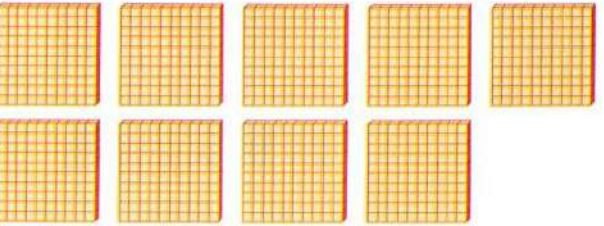




# Sheet (3)

## Reading and writing numbers

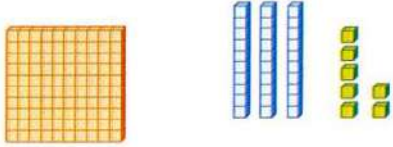
[1] Write how many hundreds. Write the number as the example:

|   |   |  |
|---|---|--|
|    | <p style="color: red; font-size: 1.2em;">2</p> hundreds | <p style="color: red; font-size: 1.2em;">200</p> |
|    | _____ hundreds  | _____  |
|    | _____ hundreds  | _____  |
|    | _____ hundreds  | _____  |
|   | _____ hundreds  | _____  |
|  | _____ hundreds  | _____  |
|  | _____ hundreds  | _____  |
|  | _____ hundreds  | _____  |





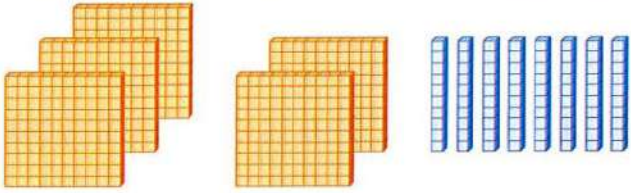
## [2] Complete as the example:

1. 

|   |   |   |
|---|---|---|
| H | T | O |
| 1 | 3 | 7 |

137

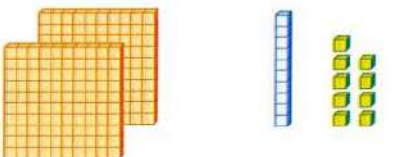
---

2. 

|   |   |   |
|---|---|---|
| H | T | O |
|   |   |   |

 \_\_\_\_\_

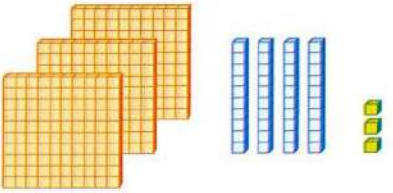
---

3. 

|   |   |   |
|---|---|---|
| H | T | O |
|   |   |   |

 \_\_\_\_\_

---

4. 

|   |   |   |
|---|---|---|
| H | T | O |
|   |   |   |

 \_\_\_\_\_



## [3] Circle the value of the blue digit:

1. 

|   |   |   |
|---|---|---|
| 2 | 6 | 7 |
|---|---|---|

  
 600   60   6

2. 

|   |   |   |
|---|---|---|
| 1 | 5 | 2 |
|---|---|---|

  
 1   10   100

3. 

|   |   |   |
|---|---|---|
| 6 | 4 | 1 |
|---|---|---|

  
 4   40   400

---

4. 

|   |   |   |
|---|---|---|
| 2 | 1 | 8 |
|---|---|---|

  
 8   80   800

5. 

|   |   |   |
|---|---|---|
| 5 | 7 | 6 |
|---|---|---|

  
 6   60   600

6. 

|   |   |   |
|---|---|---|
| 9 | 0 | 3 |
|---|---|---|

  
 0   10   100







11. Circle the hundreds.

6 4 8

12. Circle the tens.

4 4 4

## [6] Choose the correct answer:

1. The value of the digit 9 in the number 972 is   
(900 or 9 or 90)

2. The value of the digit 6 in the number 265 is   
(6 or 60 or 600)

3. The value of the digit 7 in the number 573 is   
(7 or 70 or 700)

4. The value of the digit 0 in the number 401 is   
(100 or 10 or 0)

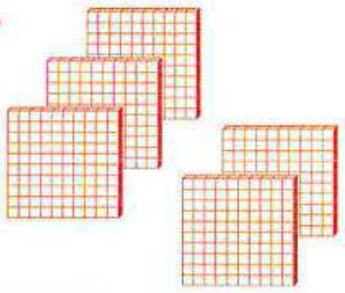
5. The value of the digit 3 in the number 358 is   
(3 or 30 or 300)



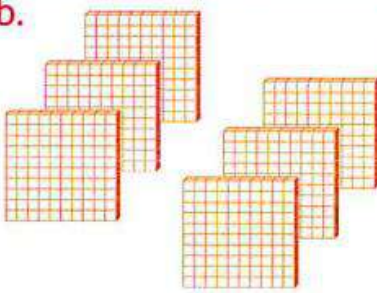


# Homework

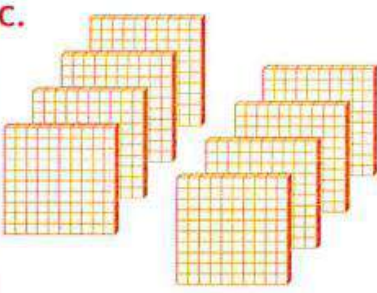
Write how many hundreds. Write the number.

a. 

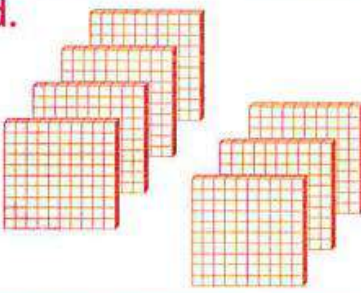
\_\_\_\_\_ hundreds \_\_\_\_\_

b. 

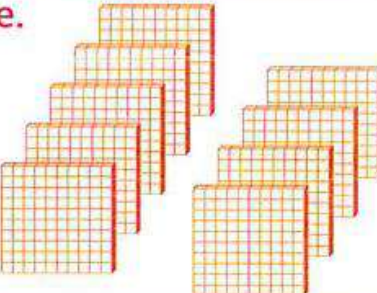
\_\_\_\_\_ hundreds \_\_\_\_\_

c. 

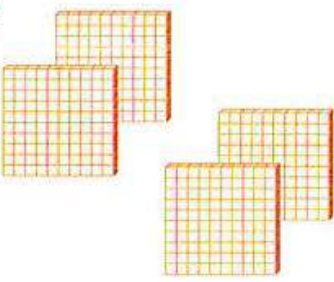
\_\_\_\_\_ hundreds \_\_\_\_\_

d. 

\_\_\_\_\_ hundreds \_\_\_\_\_

e. 


\_\_\_\_\_ hundreds \_\_\_\_\_

f. 

\_\_\_\_\_ hundreds \_\_\_\_\_



Write how many hundreds, tens and ones in the HTO chart.  
Then write the number.

a. 

|   |   |   |
|---|---|---|
| H | T | O |
|   |   |   |

\_\_\_\_\_

b. 

|   |   |   |
|---|---|---|
| H | T | O |
|   |   |   |

\_\_\_\_\_

c. 

|   |   |   |
|---|---|---|
| H | T | O |
|   |   |   |

\_\_\_\_\_





Write the place value of the digit 8 in each. The first one is done for you.

a. 784 Tens

b. 863 \_\_\_\_\_

c. 918 \_\_\_\_\_

d. 804 \_\_\_\_\_

e. 581 \_\_\_\_\_

f. 178 \_\_\_\_\_

g. 78 \_\_\_\_\_

h. 87 \_\_\_\_\_

i. 841 \_\_\_\_\_

j. 8 \_\_\_\_\_

k. 841 \_\_\_\_\_

l. 181 \_\_\_\_\_



Write the value of 7 in each number. The first one is done for you.

a. 572 70

b. 587 \_\_\_\_\_

c. 790 \_\_\_\_\_

d. 367 \_\_\_\_\_

e. 271 \_\_\_\_\_

f. 957 \_\_\_\_\_

g. 876 \_\_\_\_\_

h. 704 \_\_\_\_\_

i. 474 \_\_\_\_\_

j. 730 \_\_\_\_\_

k. 167 \_\_\_\_\_

l. 673 \_\_\_\_\_



What is the number ? The first one is done for you.

a. **What is the number ?**

- The hundreds digit is 5.
- The ones digit is 4.
- The tens digit is 8.

584

b. **What is the number ?**

- The tens digit is 6.
- The ones digit is 3.
- The hundreds digit is 9.





## Writing numbers in different forms

| Ones |       | Numbers from<br>11 to 19 |           | Tens |         |
|------|-------|--------------------------|-----------|------|---------|
| 1    | one   | 11                       | eleven    | 10   | ten     |
| 2    | two   | 12                       | twelve    | 20   | twenty  |
| 3    | three | 13                       | thirteen  | 30   | thirty  |
| 4    | four  | 14                       | fourteen  | 40   | forty   |
| 5    | five  | 15                       | fifteen   | 50   | fifty   |
| 6    | six   | 16                       | sixteen   | 60   | sixty   |
| 7    | seven | 17                       | seventeen | 70   | seventy |
| 8    | eight | 18                       | eighteen  | 80   | eighty  |
| 9    | nine  | 19                       | nineteen  | 90   | ninety  |



### [1] Write in digits:

- Five hundred and eighty-seven =
- Six hundred and eleven =
- Three hundred and seventy =
- Nine hundred =
- Seven hundred and sixty-seven =
- One hundred and one =





## [2] Choose the correct answer:

1. 3 hundreds , 2 tens and 7 ones =  (723 , 327 , 273 , 372)
2. 4 hundreds , 8 tens and 3 ones =  (438 , 384 , 843 , 483)
3. 3 hundreds and 6 tens =  (36 , 306 , 360 , 630)
4. 5 ones and 7 tens =  (750 , 705 , 75 , 57)
5. 6 hundreds , 4 ones and 2 tens =  (642 , 246 , 624 , 426)
6. Eight hundred and sixty =  (68 , 860 , 806 , 608)



## [3] Complete:

1. The place value of the digit 5 in the number 521 is
2. The place value of the digit 9 in the number 259 is
3. The place value of the digit 3 in the number 830 is
4. The place value of 4 in 409 is
5. The place value of  in 923 is tens.
6.  $200 + 70 + 9 =$
7.  $100 + 80 + 5 =$
8.  $400 + 20 + 0 =$
9.  $500 + 90 + 1 =$
10.  $600 + 30 + 2 =$





$$11. \quad 900 + 60 + 4 = \boxed{\phantom{000}}$$

$$12. \quad 300 + 50 + 2 = \boxed{\phantom{000}}$$

$$13. \quad 900 + 0 + 6 = \boxed{\phantom{000}}$$

$$14. \quad 400 + 40 + 4 = \boxed{\phantom{000}}$$

$$15. \quad 600 + 70 + 9 = \boxed{\phantom{000}}$$

$$16. \quad 800 + 8 + 10 = \boxed{\phantom{000}}$$

$$17. \quad 700 + 6 + 50 = \boxed{\phantom{000}}$$

$$18. \quad 896 = \boxed{\phantom{000}} + 90 + 6$$

$$19. \quad 576 = \boxed{\phantom{000}} + 70 + \boxed{\phantom{000}}$$

$$20. \quad 986 = 900 + \boxed{\phantom{000}} + \boxed{\phantom{000}}$$

$$21. \quad 460 = \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}}$$

$$22. \quad 222 = \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}}$$

$$23. \quad 607 = \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}}$$

$$24. \quad 963 = \boxed{\phantom{000}} + 60 + 3$$

$$25. \quad 214 = 200 + 10 + \boxed{\phantom{000}}$$

$$26. \quad 479 = 400 + 70 + \boxed{\phantom{000}}$$

$$27. \quad 364 = \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}}$$





## Homework

Write the numbers in words.

a. 7 \_\_\_\_\_

e. 1 \_\_\_\_\_

i. 9 \_\_\_\_\_

m. 2 \_\_\_\_\_

q. 90 \_\_\_\_\_

b. 50 \_\_\_\_\_

f. 15 \_\_\_\_\_

j. 8 \_\_\_\_\_

n. 11 \_\_\_\_\_

r. 6 \_\_\_\_\_

c. 17 \_\_\_\_\_

g. 14 \_\_\_\_\_

k. 60 \_\_\_\_\_

o. 80 \_\_\_\_\_

s. 16 \_\_\_\_\_

d. 30 \_\_\_\_\_

h. 40 \_\_\_\_\_

l. 13 \_\_\_\_\_

p. 12 \_\_\_\_\_

t. 10 \_\_\_\_\_



Write in expanded form.

1. 374 \_\_\_\_\_

2. 802 \_\_\_\_\_

3. 650 \_\_\_\_\_

4. Two hundred seventy-eight \_\_\_\_\_



Write in word form.

1. 782 \_\_\_\_\_

2. 316 \_\_\_\_\_

3.  $900 + 40 + 5$  \_\_\_\_\_4.  $500 + 90$  \_\_\_\_\_



## Comparing Numbers

### [1] Circle the smaller number:

|    |     |     |    |     |     |
|----|-----|-----|----|-----|-----|
| 1. | 432 | 342 | 2. | 749 | 789 |
| 3. | 505 | 550 | 4. | 817 | 871 |
| 5. | 102 | 99  | 6. | 749 | 777 |
| 7. | 404 | 444 | 8. | 266 | 622 |



### [2] Circle the greater number:

|    |     |     |    |     |     |
|----|-----|-----|----|-----|-----|
| 1. | 365 | 265 | 2. | 698 | 986 |
| 3. | 256 | 265 | 4. | 895 | 985 |
| 5. | 535 | 355 | 6. | 369 | 631 |
| 7. | 53  | 140 | 8. | 83  | 86  |



### [3] Complete using (>), (<) or (=):

|    |           |     |           |
|----|-----------|-----|-----------|
| 1. | 437 ○ 457 | 2.  | 517 ○ 507 |
| 3. | 546 ○ 654 | 4.  | 620 ○ 420 |
| 5. | 625 ○ 628 | 6.  | 510 ○ 501 |
| 7. | 725 ○ 725 | 8.  | 862 ○ 628 |
| 9. | 770 ○ 777 | 10. | 499 ○ 499 |





## [4] Complete using (>), (<) or (=):

1. 948 ○  $900 + 48$

2.  $3 + 70 + 200$  ○ 273

3. 232 ○ Two hundred and thirty-two

4.  $800 + 20 + 5$  ○  $800 + 50 + 2$

5.  $1 + 4 + 0$  ○ 140

6.  $400 + 40 + 4$  ○  $400 + 44$

7. Seven hundred and fourteen ○ 619



## [5] Arrange the following numbers:

514 , 473 , 540 and 437

1. Ascending order : ..... , ..... , ..... and .....  
Descending order : ..... , ..... and .....

698 , 986 , 896 and 689

2. Ascending order : ..... , ..... , ..... and .....  
Descending order : ..... , ..... and .....

987 , 978 , 897 and 798

3. Ascending order : ..... , ..... , ..... and .....  
Descending order : ..... , ..... and .....





## [6] Complete in the same pattern:

|    |  |    |  |
|----|--|----|--|
| 1. | 350 , 360 , <input type="text"/> , 380 | 2. | 808 , 809 , <input type="text"/> , 811 |
| 3. | 650 , <input type="text"/> , 850 , 950 | 4. | 234 , 245 , <input type="text"/> , 267 |
| 5. | 404 , <input type="text"/> , 606 , 707 | 6. | 540 , 530 , <input type="text"/> , 510 |
| 7. | 900 , 700 , <input type="text"/> , 300 | 8. | 678 , 567 , <input type="text"/> , 345 |



## [7] Complete the table:

| Number | Add 1 | Add 10 | Add 100 |
|--------|-------|--------|---------|
| 125    |       |        |         |
| 326    |       |        |         |
| 23     |       |        |         |
| 45     |       |        |         |
| 764    |       |        |         |
| 245    |       |        |         |
| 36     |       |        |         |
| 73     |       |        |         |



**Write the number.**

- a. Write the greatest and the smallest number formed from : 7 , 8 , 3  
The greatest number is \_\_\_\_\_ , the smallest number is \_\_\_\_\_
- b. Write the greatest and the smallest number formed from : 3 , 9 , 6  
The greatest number is \_\_\_\_\_ , the smallest number is \_\_\_\_\_
- c. Write the greatest and the smallest number formed from : 7 , 2 , 5  
The greatest number is \_\_\_\_\_ , the smallest number is \_\_\_\_\_
- d. Write the greatest and the smallest number formed from : 1 , 6 , 0  
The greatest number is \_\_\_\_\_ , the smallest number is \_\_\_\_\_
- e. Write the greatest and the smallest number formed from : 7 , 0 , 5  
The greatest number is \_\_\_\_\_ , the smallest number is \_\_\_\_\_
- f. Write the greatest 3-digit number \_\_\_\_\_
- g. Write the smallest 3-digit number \_\_\_\_\_
- h. Write the greatest 3-different digit number \_\_\_\_\_
- i. Write the smallest 3-different digit number \_\_\_\_\_
- j. Write the greatest 3-same digit number \_\_\_\_\_
- k. Write the smallest 3-same digit number \_\_\_\_\_
- l. Write the greatest 3-digit even number \_\_\_\_\_
- m. Write the smallest 3-digit odd number \_\_\_\_\_





# Homework

**1** Compare, write  $>$ ,  $<$  or  $=$ . The first one is done for you.

|  |  |
|--|--|
| <p>a.</p> <p>140 <math>&lt;</math> 240</p>     | <p>b.</p> <p>342 <math>\bigcirc</math> 342</p> |
| <p>c.</p> <p>431 <math>\bigcirc</math> 413</p> | <p>d.</p> <p>212 <math>\bigcirc</math> 215</p> |

**2** Compare, write  $>$ ,  $<$  or  $=$ .

|   |  |
|---|--|
| <p>a. 725 <math>\bigcirc</math> 752</p> <p>c. 154 <math>\bigcirc</math> 154</p> <p>e. 45 <math>\bigcirc</math> 178</p> <p>g. 391 <math>\bigcirc</math> 9</p> <p>i. 187 <math>\bigcirc</math> 211</p> <p>k. 112 <math>\bigcirc</math> 79</p> <p>m. 99 <math>\bigcirc</math> 618</p> <p>o. 714 <math>\bigcirc</math> 174</p> <p>q. 47 <math>\bigcirc</math> 129</p> | <p>b. 572 <math>\bigcirc</math> 376</p> <p>d. 38 <math>\bigcirc</math> 100</p> <p>f. 512 <math>\bigcirc</math> 89</p> <p>h. 512 <math>\bigcirc</math> 521</p> <p>j. 75 <math>\bigcirc</math> 318</p> <p>l. 315 <math>\bigcirc</math> 315</p> <p>n. 94 <math>\bigcirc</math> 200</p> <p>p. 762 <math>\bigcirc</math> 760</p> <p>r. 218 <math>\bigcirc</math> 78</p> |
|---|--|

I put two dots next to 240 because it is the greater number and one dot next to 140 because it is the smaller one, and then I connect them.





Write the numbers in order from least to greatest.

72 , 5 , 27 , 52 , 10

Order is : \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

745 , 72 , 15 , 200 , 4

Order is : \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

926 , 713 , 198 , 502 , 183

Order is : \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Ascending  
order



Write the numbers in order from greatest to least.

7 , 12 , 25 , 47 , 29

Order is : \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

19 , 82 , 130 , 10 , 210

Order is : \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

273 , 499 , 500 , 25 , 167

Order is : \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

345 , 492 , 572 , 490 , 333

Order is : \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Descending  
order





## Sheet (4)

### Commutative property in addition

Complete.

a.  $7 + 8 = 8 + \underline{\quad}$

c.  $\quad + 5 = 5 + 3$

e.  $5 + 15 = 15 + \quad$

b.  $7 + 4 = 4 + \underline{\quad}$

d.  $8 + 4 = \underline{\quad} + 8$

f.  $30 + \underline{\quad} = 9 + 30$



Color the addition sentences in each row that have the same sum.

a.  $13 + 5$

$12 + 5$

$5 + 13$

b.  $4 + 16$

$16 + 4$

$15 + 4$

c.  $7 + 17$

$7 + 16$

$16 + 7$

d.  $13 + 3$

$13 + 2$

$2 + 13$



Find the sum. Then rewrite the problems by switching the addends and solve it. The first one is done for you.

a.  $3 + 15 = 18 \quad \rightarrow \quad 15 + 3 = 18$

b.  $8 + 9 = \underline{\quad} \quad \rightarrow \quad \underline{\quad} + \underline{\quad} = \underline{\quad}$

c.  $14 + 4 = \underline{\quad} \quad \rightarrow \quad \underline{\quad} + \underline{\quad} = \underline{\quad}$



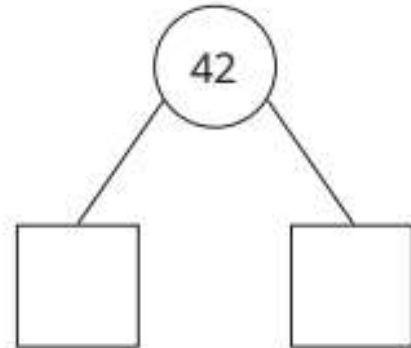


# Decomposing numbers into ones & tens

[1] Complete:

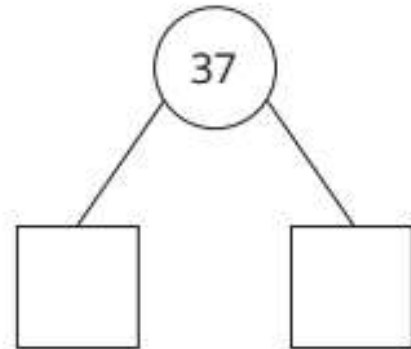
1.

| Tens | Ones |
|------|------|
|      |      |



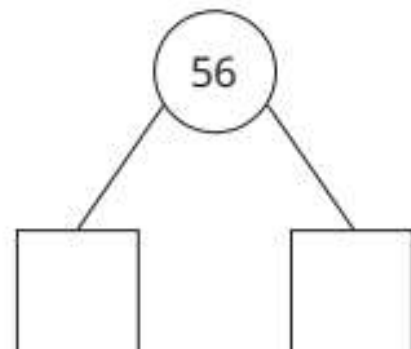
2.

| Tens | Ones |
|------|------|
|      |      |



3.

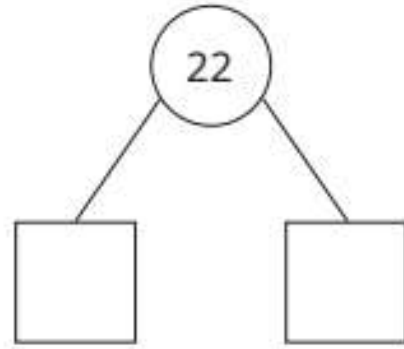
| Tens | Ones |
|------|------|
|      |      |





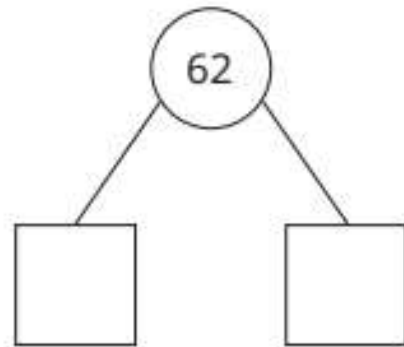
4.

| Tens | Ones |
|------|------|
|      |      |



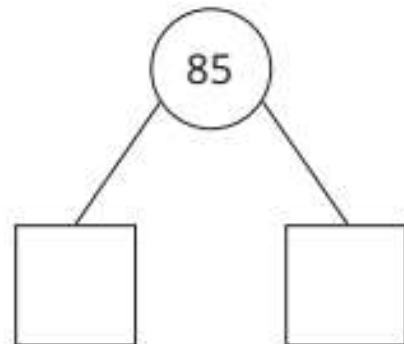
5.

| Tens | Ones |
|------|------|
|      |      |



6.

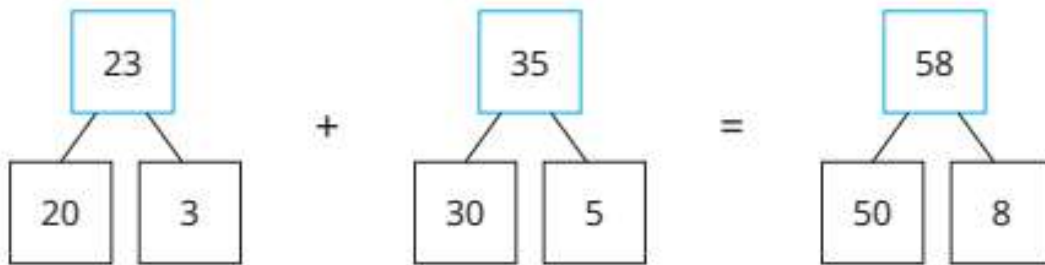
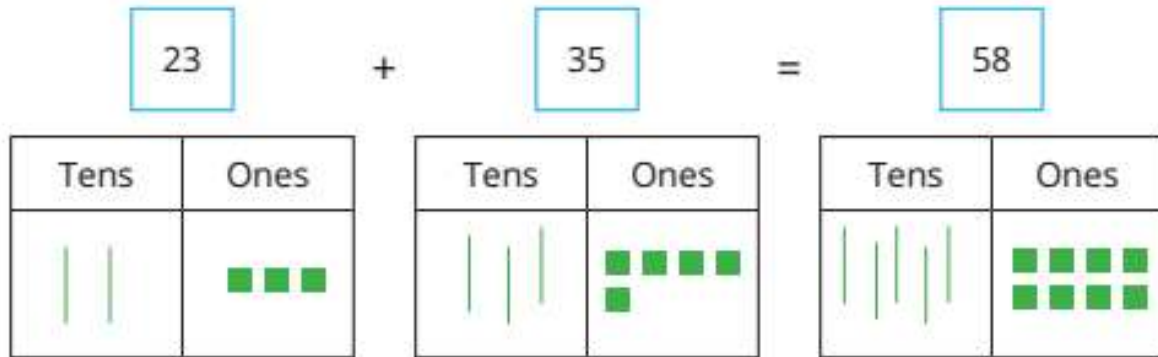
| Tens | Ones |
|------|------|
|      |      |



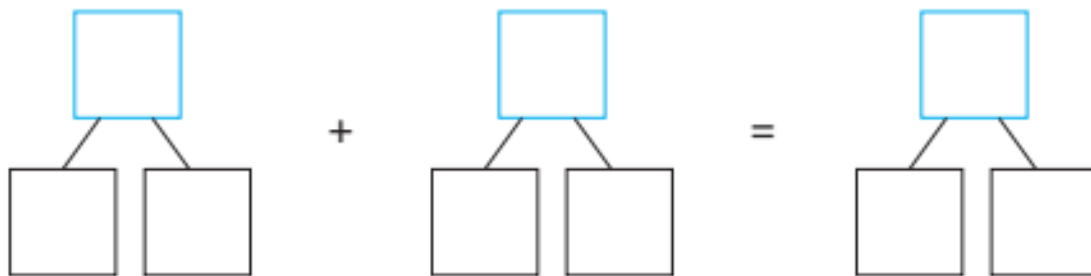
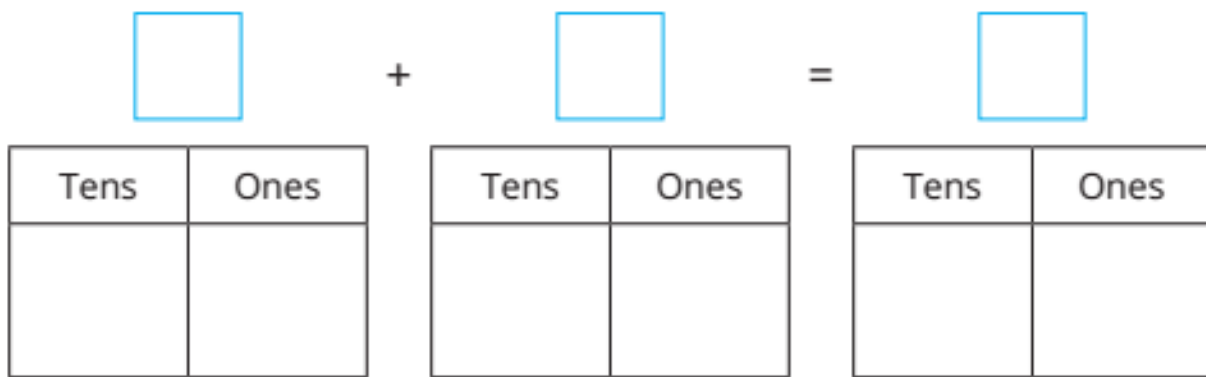


## [2] Complete as the example:

Example: Hassan bought 23 chocolate cookies. He also bought 35 vanilla cookies. How many cookies does Hassan have in all?



1) Miryam found 68 seashells on the beach. Her sister found 21 seashells. How many seashells did they find in all?





2) Aisha went on a bug hunt. She counted 62 ants and 26 crickets.  
How many bugs did she find in all?

+  =

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| Tens | Ones | Tens | Ones | Tens | Ones |
|      |      |      |      |      |      |



3) Layla has a collection of stickers. She has 54 car stickers and 44 superhero stickers.  
How many stickers does Layla have all together?

+  =

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| Tens | Ones | Tens | Ones | Tens | Ones |
|      |      |      |      |      |      |





## Adding without regrouping

**[1] Add as the example:**



Example :

$$\begin{array}{r} 752 \\ + 236 \\ \hline 988 \end{array}$$

$$\begin{array}{r} 123 \\ + 400 \\ \hline 523 \end{array}$$

$$\begin{array}{r} 127 \\ + 12 \\ \hline 139 \end{array}$$

(a)

$$\begin{array}{r} 245 \\ + 132 \\ \hline \dots\dots\dots \end{array}$$

(b)

$$\begin{array}{r} 105 \\ + 753 \\ \hline \dots\dots\dots \end{array}$$

(c)

$$\begin{array}{r} 426 \\ + 361 \\ \hline \dots\dots\dots \end{array}$$

(d)

$$\begin{array}{r} 820 \\ + 179 \\ \hline \dots\dots\dots \end{array}$$

(e)

$$\begin{array}{r} 532 \\ + 364 \\ \hline \dots\dots\dots \end{array}$$

(f)

$$\begin{array}{r} 601 \\ + 134 \\ \hline \dots\dots\dots \end{array}$$

(g)

$$\begin{array}{r} 456 \\ + 332 \\ \hline \dots\dots\dots \end{array}$$

(h)

$$\begin{array}{r} 825 \\ + 73 \\ \hline \dots\dots\dots \end{array}$$

(i)

$$\begin{array}{r} 724 \\ + 104 \\ \hline \dots\dots\dots \end{array}$$

(j)

$$\begin{array}{r} 325 \\ + 312 \\ \hline \dots\dots\dots \end{array}$$

(k)

$$\begin{array}{r} 354 \\ + 45 \\ \hline \dots\dots\dots \end{array}$$

(l)

$$\begin{array}{r} 541 \\ + 315 \\ \hline \dots\dots\dots \end{array}$$

(m)

$$\begin{array}{r} 678 \\ + 21 \\ \hline \dots\dots\dots \end{array}$$

(n)

$$\begin{array}{r} 33 \\ + 666 \\ \hline \dots\dots\dots \end{array}$$

(o)

$$\begin{array}{r} 103 \\ + 784 \\ \hline \dots\dots\dots \end{array}$$

(p)

$$\begin{array}{r} 207 \\ + 480 \\ \hline \dots\dots\dots \end{array}$$





## [2] Add as the example:



Example :

$$167 + 432 = 599$$

The diagram shows the addition process with arrows and plus signs indicating the steps: 7 + 2 = 9, 6 + 3 = 9, and 1 + 4 = 5.



(a)

$642 + 153 =$

(b)

$481 + 505 =$

(c)

$420 + 338 =$

(d)

$300 + 204 =$

(e)

$412 + 381 =$

(f)

$216 + 472 =$

(g)

$827 + 32 =$

(h)

$612 + 330 =$

(i)

$786 + 203 =$

(j)

$165 + 523 =$

(k)

$500 + 306 =$

(l)

$208 + 601 =$

(m)

$38 + 411 =$

(n)

$182 + 16 =$





## Adding with regrouping

[1] Add as the example:



Example :

$$\begin{array}{r} \textcircled{1} \\ 29 \\ + 3 \\ \hline 32 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 29 \\ + 35 \\ \hline 64 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 43 \\ + 27 \\ \hline 70 \end{array}$$

(a)

$$\begin{array}{r} 35 \\ + 9 \\ \hline \dots\dots\dots \end{array}$$

(b)

$$\begin{array}{r} 43 \\ + 8 \\ \hline \dots\dots\dots \end{array}$$

(c)

$$\begin{array}{r} 74 \\ + 7 \\ \hline \dots\dots\dots \end{array}$$

(d)

$$\begin{array}{r} 36 \\ + 7 \\ \hline \dots\dots\dots \end{array}$$

(e)

$$\begin{array}{r} 25 \\ + 9 \\ \hline \dots\dots\dots \end{array}$$

(f)

$$\begin{array}{r} 19 \\ + 9 \\ \hline \dots\dots\dots \end{array}$$

(g)

$$\begin{array}{r} 24 \\ + 58 \\ \hline \dots\dots\dots \end{array}$$

(h)

$$\begin{array}{r} 57 \\ + 13 \\ \hline \dots\dots\dots \end{array}$$

(i)

$$\begin{array}{r} 64 \\ + 19 \\ \hline \dots\dots\dots \end{array}$$

(j)

$$\begin{array}{r} 17 \\ + 77 \\ \hline \dots\dots\dots \end{array}$$

(k)

$$\begin{array}{r} 49 \\ + 48 \\ \hline \dots\dots\dots \end{array}$$

(l)

$$\begin{array}{r} 24 \\ + 56 \\ \hline \dots\dots\dots \end{array}$$

(m)

$$\begin{array}{r} 27 \\ + 35 \\ \hline \dots\dots\dots \end{array}$$

(n)

$$\begin{array}{r} 15 \\ + 26 \\ \hline \dots\dots\dots \end{array}$$

(o)

$$\begin{array}{r} 38 \\ + 16 \\ \hline \dots\dots\dots \end{array}$$

(p)

$$\begin{array}{r} 39 \\ + 42 \\ \hline \dots\dots\dots \end{array}$$

(q)

$$\begin{array}{r} 57 \\ + 26 \\ \hline \dots\dots\dots \end{array}$$

(r)

$$\begin{array}{r} 19 \\ + 49 \\ \hline \dots\dots\dots \end{array}$$

(s)

$$\begin{array}{r} 37 \\ + 48 \\ \hline \dots\dots\dots \end{array}$$

(t)

$$\begin{array}{r} 63 \\ + 19 \\ \hline \dots\dots\dots \end{array}$$





## [2] Add as the example:



Example :

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 677 \\ + 238 \\ \hline 915 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 204 \\ + 589 \\ \hline 793 \end{array}$$

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 396 \\ + 24 \\ \hline 420 \end{array}$$

(a)

$$\begin{array}{r} 376 \\ + 287 \\ \hline \end{array}$$

.....

(b)

$$\begin{array}{r} 339 \\ + 462 \\ \hline \end{array}$$

.....

(c)

$$\begin{array}{r} 358 \\ + 579 \\ \hline \end{array}$$

.....

(d)

$$\begin{array}{r} 391 \\ + 399 \\ \hline \end{array}$$

.....

(e)

$$\begin{array}{r} 148 \\ + 475 \\ \hline \end{array}$$

.....

(f)

$$\begin{array}{r} 297 \\ + 447 \\ \hline \end{array}$$

.....

(g)

$$\begin{array}{r} 166 \\ + 199 \\ \hline \end{array}$$

.....

(h)

$$\begin{array}{r} 455 \\ + 485 \\ \hline \end{array}$$

.....

(i)

$$\begin{array}{r} 638 \\ + 129 \\ \hline \end{array}$$

.....

(j)

$$\begin{array}{r} 484 \\ + 348 \\ \hline \end{array}$$

.....

(k)

$$\begin{array}{r} 437 \\ + 273 \\ \hline \end{array}$$

.....

(l)

$$\begin{array}{r} 287 \\ + 624 \\ \hline \end{array}$$

.....

(m)

$$\begin{array}{r} 299 \\ + 97 \\ \hline \end{array}$$

.....

(n)

$$\begin{array}{r} 544 \\ + 76 \\ \hline \end{array}$$

.....

(o)

$$\begin{array}{r} 53 \\ + 169 \\ \hline \end{array}$$

.....

(p)

$$\begin{array}{r} 307 \\ + 99 \\ \hline \end{array}$$

.....

(q)

$$\begin{array}{r} 65 \\ + 398 \\ \hline \end{array}$$

.....

(r)

$$\begin{array}{r} 706 \\ + 109 \\ \hline \end{array}$$

.....

(s)

$$\begin{array}{r} 483 \\ + 298 \\ \hline \end{array}$$

.....

(t)

$$\begin{array}{r} 374 \\ + 529 \\ \hline \end{array}$$

.....



## [3] Real life problems:

a

Adel read 67 pages of a book in one day.  
In the next day he read 24 pages.  
How many pages did he read in the two days ?  
What he read = ..... + ..... = ..... pages.



b

A travel company has two buses.  
There are 34 tourists in the first bus  
and 58 tourists in the second.  
How many tourists are there in the two buses ?  
The number of tourists = ..... + ..... = ..... tourists.



c

A farmer had 482 hens and 109 ducks.  
How many hens and ducks  
did he have all together ?  
What he has = ..... + ..... = ..... birds.



d

Ali has 627 new stamps, if he had 246 old stamps.  
How many stamps are in Ali's collection now ?  
What Ali has = ..... + ..... = ..... stamps.





# ACTIVITY

Just like magic

Add :

$$\begin{array}{r} 55 \\ + 7 \\ \hline 62 \end{array}$$

a

$$\begin{array}{r} 43 \\ + 44 \\ \hline \end{array}$$

i

$$\begin{array}{r} 50 \\ + 40 \\ \hline \end{array}$$

e

$$\begin{array}{r} 32 \\ + 40 \\ \hline \end{array}$$

r

$$\begin{array}{r} 37 \\ + 32 \\ \hline \end{array}$$

o

$$\begin{array}{r} 29 \\ + 9 \\ \hline \end{array}$$

w

$$\begin{array}{r} 25 \\ + 22 \\ \hline \end{array}$$

y

$$\begin{array}{r} 50 \\ + 3 \\ \hline \end{array}$$

s

$$\begin{array}{r} 52 \\ + 47 \\ \hline \end{array}$$

m

$$\begin{array}{r} 65 \\ + 18 \\ \hline \end{array}$$

t

$$\begin{array}{r} 23 \\ + 47 \\ \hline \end{array}$$

u

$$\begin{array}{r} 17 \\ + 18 \\ \hline \end{array}$$

l

$$\begin{array}{r} 23 \\ + 51 \\ \hline \end{array}$$

h

$$\begin{array}{r} 49 \\ + 18 \\ \hline \end{array}$$

c

Use the answers and the letter on each lamp to solve the code :

$$\begin{array}{r} a \\ 99 \end{array} \quad \begin{array}{r} a \\ 62 \end{array} \quad \begin{array}{r} 47 \\ \hline \end{array} \quad \begin{array}{r} 62 \\ \hline \end{array} \quad \begin{array}{r} 35 \\ \hline \end{array} \quad \begin{array}{r} 35 \\ \hline \end{array} \quad \begin{array}{r} 47 \\ \hline \end{array} \quad \begin{array}{r} 69 \\ \hline \end{array} \quad \begin{array}{r} 70 \\ \hline \end{array} \quad \begin{array}{r} 72 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ \hline \end{array} \quad \begin{array}{r} 87 \\ \hline \end{array} \quad \begin{array}{r} 53 \\ \hline \end{array} \quad \begin{array}{r} 74 \\ \hline \end{array} \quad \begin{array}{r} 90 \\ \hline \end{array} \quad \begin{array}{r} 53 \\ \hline \end{array} \quad \begin{array}{r} 67 \\ \hline \end{array} \quad \begin{array}{r} 69 \\ \hline \end{array} \quad \begin{array}{r} 99 \\ \hline \end{array} \quad \begin{array}{r} 90 \\ \hline \end{array} \quad \begin{array}{r} 83 \\ \hline \end{array} \quad \begin{array}{r} 72 \\ \hline \end{array} \quad \begin{array}{r} 70 \\ \hline \end{array} \quad \begin{array}{r} 90 \\ \hline \end{array}$$





# Homework

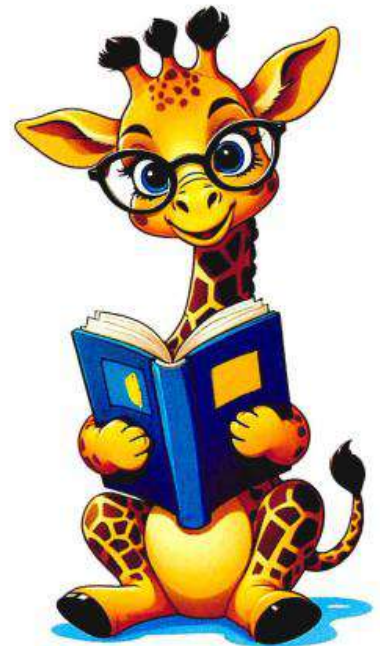
**1** Circle what is the value of the blue digit.

|                            |                            |                            |                            |
|----------------------------|----------------------------|----------------------------|----------------------------|
| a.<br><b>36</b><br>60 or 6 | b.<br><b>57</b><br>5 or 50 | c.<br><b>40</b><br>40 or 4 | d.<br><b>73</b><br>30 or 3 |
| e.<br><b>26</b><br>2 or 20 | f.<br><b>61</b><br>1 or 10 | g.<br><b>71</b><br>70 or 7 | h.<br><b>67</b><br>60 or 6 |
| i.<br><b>14</b><br>10 or 1 | j.<br><b>54</b><br>50 or 5 | k.<br><b>84</b><br>4 or 40 | l.<br><b>51</b><br>1 or 10 |



**2** Decompose each number in two ways. Draw sticks to show Tens and dots to show Ones. Then write the Tens and Ones in the number boxes.

| a.   | <table border="1"> <tr> <th>Tens</th> <th>Ones</th> </tr> <tr> <td> </td> <td> </td> </tr> </table> | Tens | Ones |  |  |  |
|------|---|------|------|--|--|--|
| Tens | Ones  |      |      |  |  |  |
|      |   |      |      |  |  |  |
| b.   | <table border="1"> <tr> <th>Tens</th> <th>Ones</th> </tr> <tr> <td> </td> <td> </td> </tr> </table> | Tens | Ones |  |  |  |
| Tens | Ones  |      |      |  |  |  |
|      |   |      |      |  |  |  |
| c.   | <table border="1"> <tr> <th>Tens</th> <th>Ones</th> </tr> <tr> <td> </td> <td> </td> </tr> </table> | Tens | Ones |  |  |  |
| Tens | Ones  |      |      |  |  |  |
|      |   |      |      |  |  |  |





### 3 Choose the correct answer.

- |                                  |                     |
|----------------------------------|---------------------|
| a. $40 + 2 = \underline{\quad}$  | ( 42 or 24 or 14 )  |
| b. $90 + 5 = \underline{\quad}$  | ( 59 or 509 or 95 ) |
| c. $6 + 70 = \underline{\quad}$  | ( 670 or 76 or 67 ) |
| d. $50 + 1 = \underline{\quad}$  | ( 501 or 51 or 15 ) |
| e. $9 + 10 = \underline{\quad}$  | ( 910 or 91 or 19 ) |
| f. $30 + 8 = \underline{\quad}$  | ( 38 or 83 or 308 ) |
| g. $70 + \underline{\quad} = 72$ | ( 2 or 20 or 22 )   |
| h. $\underline{\quad} + 5 = 35$  | ( 3 or 30 or 300 )  |
| i. $7 + \underline{\quad} = 87$  | ( 8 or 80 or 800 )  |



### 4 Solve each of the following addition problems.

a.

|   |           |
|---|-----------|
| $\begin{array}{r} 52 \\ + 34 \\ \hline \end{array}$ | Work area |
|---|-----------|

b.

|   |           |
|---|-----------|
| $\begin{array}{r} 21 \\ + 18 \\ \hline \end{array}$ | Work area |
|---|-----------|

c.

|   |           |
|---|-----------|
| $\begin{array}{r} 36 \\ + 11 \\ \hline \end{array}$ | Work area |
|---|-----------|

d.

|   |           |
|---|-----------|
| $\begin{array}{r} 62 \\ + 25 \\ \hline \end{array}$ | Work area |
|---|-----------|

e.

|  |           |
|--|-----------|
| $\begin{array}{r} 83 \\ + 4 \\ \hline \end{array}$ | Work area |
|--|-----------|

f.

|   |           |
|---|-----------|
| $\begin{array}{r} 73 \\ + 20 \\ \hline \end{array}$ | Work area |
|---|-----------|





## Sheet (5)

### [1] Subtract as the example:



Example :

$$\begin{array}{r} 857 \\ - 432 \\ \hline 425 \end{array}$$

$$\begin{array}{r} 347 \\ - 237 \\ \hline 110 \end{array}$$

$$\begin{array}{r} 782 \\ - 751 \\ \hline 31 \end{array}$$

(a)

$$\begin{array}{r} 857 \\ - 532 \\ \hline \end{array}$$

.....

(b)

$$\begin{array}{r} 978 \\ - 725 \\ \hline \end{array}$$

.....

(c)

$$\begin{array}{r} 950 \\ - 850 \\ \hline \end{array}$$

.....

(d)

$$\begin{array}{r} 307 \\ - 203 \\ \hline \end{array}$$

.....

(e)

$$\begin{array}{r} 453 \\ - 432 \\ \hline \end{array}$$

.....

(f)

$$\begin{array}{r} 245 \\ - 213 \\ \hline \end{array}$$

.....

(g)

$$\begin{array}{r} 747 \\ - 315 \\ \hline \end{array}$$

.....

(h)

$$\begin{array}{r} 592 \\ - 471 \\ \hline \end{array}$$

.....

(i)

$$\begin{array}{r} 689 \\ - 357 \\ \hline \end{array}$$

.....

(j)

$$\begin{array}{r} 478 \\ - 145 \\ \hline \end{array}$$

.....

(k)

$$\begin{array}{r} 897 \\ - 387 \\ \hline \end{array}$$

.....

(l)

$$\begin{array}{r} 396 \\ - 125 \\ \hline \end{array}$$

.....

(m)

$$\begin{array}{r} 879 \\ - 238 \\ \hline \end{array}$$

.....

(n)

$$\begin{array}{r} 946 \\ - 45 \\ \hline \end{array}$$

.....

(o)

$$\begin{array}{r} 666 \\ - 24 \\ \hline \end{array}$$

.....

(p)

$$\begin{array}{r} 789 \\ - 23 \\ \hline \end{array}$$

.....



## [2] Subtract as the example:



Example :

$$458 - 235 = 223$$

Diagram illustrating the subtraction process with arrows and minus signs:

- Arrow from 8 to 3 with a minus sign (-) above it.
- Arrow from 5 to 5 with a minus sign (-) below it.
- Arrow from 4 to 2 with a minus sign (-) below it.

(a)

$563 - 140 =$

(b)

$977 - 445 =$

(c)

$799 - 498 =$

(d)

$897 - \text{zero} =$

(e)

$674 - \text{zero} =$

(f)

$999 - 736 =$

(g)

$515 - 315 =$

(h)

$648 - 317 =$

(i)

$804 - 603 =$

(j)

$687 - 345 =$

(k)

$716 - 504 =$

(l)

$396 - 145 =$

(m)

$749 - 124 =$

(n)

$867 - 865 =$

(o)

$777 - 26 =$

(p)

$354 - 23 =$





### [3] Complete using (<), (>) or (=):



Example :

$$\begin{array}{r} 163 \\ \cdot 397 - 234 > 160 \end{array}$$

$$\begin{array}{r} 642 \\ \cdot 854 - 212 = 258 + 384 \end{array}$$

- (a)  $870 - 230$   640
- (b)  $390 - 280$   100
- (c)  $795 - 634$   171
- (d)  $873 - 542$   221
- (e)  $369 - 245$   one hundred and thirty-four
- (f)  $547 - 247$   2 hundreds
- (g)  $590 - 470$    $987 - 886$
- (h)  $799 - 345$    $241 + 321$
- (i)  $685 - 423$    $149 + 113$
- (j)  $425 + 275$    $952 - 251$



### [4] Real life problems:

28 rabbits running in the field. 17 run away.  
How many rabbits are left ?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_





Use the 120 chart to estimate the following numbers.

- |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| a. 41 is closer to _____ | b. 26 is closer to _____ | c. 14 is closer to _____ |
| d. 8 is closer to _____  | e. 89 is closer to _____ | f. 73 is closer to _____ |



Use the 120 chart to estimate.

a. 
$$\begin{array}{r} 27 \\ + 11 \\ \hline \end{array}$$
 **Think:**  

$$\begin{array}{r} \phantom{27} \\ + \phantom{11} \\ \hline \end{array}$$
  
 27 + 11 is about \_\_\_\_\_

b. 
$$\begin{array}{r} 62 \\ - 21 \\ \hline \end{array}$$
 **Think:**  

$$\begin{array}{r} \phantom{62} \\ - \phantom{21} \\ \hline \end{array}$$
  
 62 - 21 is about \_\_\_\_\_

c. 
$$\begin{array}{r} 16 \\ + 40 \\ \hline \end{array}$$
 **Think:**  

$$\begin{array}{r} \phantom{16} \\ + \phantom{40} \\ \hline \end{array}$$
  
 16 + 40 is about \_\_\_\_\_

d. 
$$\begin{array}{r} 59 \\ - 37 \\ \hline \end{array}$$
 **Think:**  

$$\begin{array}{r} \phantom{59} \\ - \phantom{37} \\ \hline \end{array}$$
  
 59 - 37 is about \_\_\_\_\_



Use place value strategy to estimate.

a. 
$$\begin{array}{r} 52 \\ + 32 \\ \hline \end{array}$$
 **Think:**  

$$\begin{array}{r} \phantom{52} \\ + \phantom{32} \\ \hline \end{array}$$
  
 52 + 32 is about \_\_\_\_\_

b. 
$$\begin{array}{r} 93 \\ - 52 \\ \hline \end{array}$$
 **Think:**  

$$\begin{array}{r} \phantom{93} \\ - \phantom{52} \\ \hline \end{array}$$
  
 93 - 52 is about \_\_\_\_\_

c. 
$$\begin{array}{r} 11 \\ + 63 \\ \hline \end{array}$$
 **Think:**  

$$\begin{array}{r} \phantom{11} \\ + \phantom{63} \\ \hline \end{array}$$
  
 11 + 63 is about \_\_\_\_\_

d. 
$$\begin{array}{r} 36 \\ - 14 \\ \hline \end{array}$$
 **Think:**  

$$\begin{array}{r} \phantom{36} \\ - \phantom{14} \\ \hline \end{array}$$
  
 36 - 14 is about \_\_\_\_\_





## Homework

Use the 120 chart to estimate the following numbers.

a. 27 is closer to \_\_\_\_\_

c. 82 is closer to \_\_\_\_\_

e. 9 is closer to \_\_\_\_\_

g. 38 is closer to \_\_\_\_\_

i. 64 is closer to \_\_\_\_\_

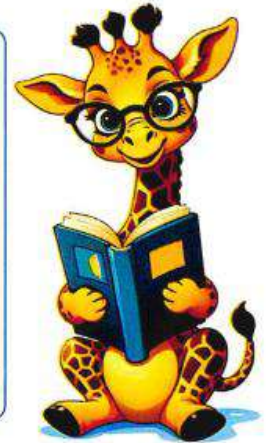
b. 71 is closer to \_\_\_\_\_

d. 87 is closer to \_\_\_\_\_

f. 57 is closer to \_\_\_\_\_

h. 41 is closer to \_\_\_\_\_

j. 12 is closer to \_\_\_\_\_



Find the answer.

a. A bookstore sold 34 books on Wednesday and 23 books on Thursday.

Estimate how many books sold on the two days.

---




---



---



b.  Raj has a 64-minute train ride. He has been on the train for 32 minutes.

Estimate how many minutes are left on his train ride.

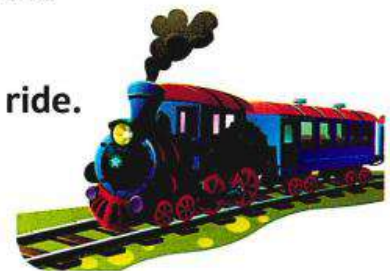
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---



---





Find the sum of each of the following.

a. 
$$\begin{array}{r} 34 \\ + 7 \\ \hline \\ \hline \end{array}$$

b. 
$$\begin{array}{r} 19 \\ + 8 \\ \hline \\ \hline \end{array}$$

c. 
$$\begin{array}{r} 7 \\ + 45 \\ \hline \\ \hline \end{array}$$

d. 
$$\begin{array}{r} 28 \\ + 5 \\ \hline \\ \hline \end{array}$$

e. 
$$\begin{array}{r} 17 \\ + 29 \\ \hline \\ \hline \end{array}$$

f. 
$$\begin{array}{r} 23 \\ + 35 \\ \hline \\ \hline \end{array}$$

g. 
$$\begin{array}{r} 41 \\ + 14 \\ \hline \\ \hline \end{array}$$

h. 
$$\begin{array}{r} 74 \\ + 16 \\ \hline \\ \hline \end{array}$$

i. 
$$\begin{array}{r} 46 \\ + 38 \\ \hline \\ \hline \end{array}$$

j. 
$$\begin{array}{r} 28 \\ + 14 \\ \hline \\ \hline \end{array}$$

k. 
$$\begin{array}{r} 76 \\ + 17 \\ \hline \\ \hline \end{array}$$

l. 
$$\begin{array}{r} 69 \\ + 25 \\ \hline \\ \hline \end{array}$$

m. 
$$\begin{array}{r} 53 \\ + 18 \\ \hline \\ \hline \end{array}$$

n. 
$$\begin{array}{r} 35 \\ + 35 \\ \hline \\ \hline \end{array}$$

o. 
$$\begin{array}{r} 39 \\ + 19 \\ \hline \\ \hline \end{array}$$

p. 
$$\begin{array}{r} 48 \\ + 27 \\ \hline \\ \hline \end{array}$$

q. 
$$\begin{array}{r} 26 \\ + 37 \\ \hline \\ \hline \end{array}$$

r. 
$$\begin{array}{r} 78 \\ + 12 \\ \hline \\ \hline \end{array}$$

s. 
$$\begin{array}{r} 33 \\ + 49 \\ \hline \\ \hline \end{array}$$

t. 
$$\begin{array}{r} 47 \\ + 18 \\ \hline \\ \hline \end{array}$$

u. 
$$\begin{array}{r} 54 \\ + 39 \\ \hline \\ \hline \end{array}$$

v. 
$$\begin{array}{r} 19 \\ + 18 \\ \hline \\ \hline \end{array}$$

w. 
$$\begin{array}{r} 38 \\ + 55 \\ \hline \\ \hline \end{array}$$

x. 
$$\begin{array}{r} 62 \\ + 18 \\ \hline \\ \hline \end{array}$$

y. 
$$\begin{array}{r} 77 \\ + 14 \\ \hline \\ \hline \end{array}$$





# Sheet (6)

## Polygons

### Examples for Polygons



3 line segments



3 line segments



4 line segments



4 line segments



5 line segments



5 line segments



6 line segments



6 line segments

### Note that :



Not a polygon  
(has a curve)

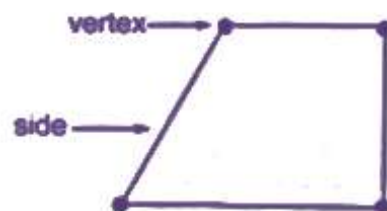


Not a polygon  
(open, not closed)

### Remark :

In any polygon :

- (1) The line segments that formed a polygon are called sides.
- (2) A point where the sides of a polygon intersect is called a vertex.





# [1] Put (✓) under every polygon:

|                       |                       |                       |
|-----------------------|-----------------------|-----------------------|
| <p>a</p> <p>.....</p> | <p>b</p> <p>.....</p> | <p>c</p> <p>.....</p> |
| <p>d</p> <p>.....</p> | <p>e</p> <p>.....</p> | <p>f</p> <p>.....</p> |
| <p>g</p> <p>.....</p> | <p>h</p> <p>.....</p> | <p>i</p> <p>.....</p> |
| <p>j</p> <p>.....</p> | <p>k</p> <p>.....</p> | <p>l</p> <p>.....</p> |
| <p>m</p> <p>.....</p> | <p>n</p> <p>.....</p> | <p>o</p> <p>.....</p> |

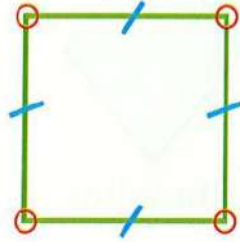


## [2] Complete as the example:

**Square**

4 sides

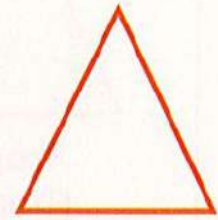
4 vertices



**Triangle**

\_\_\_ sides

\_\_\_ vertices



**Rectangle**

\_\_\_ sides

\_\_\_ vertices



**Circle**

\_\_\_ sides

\_\_\_ vertices



**Hexagon**

\_\_\_ sides

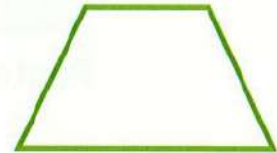
\_\_\_ vertices



**Trapezoid**

\_\_\_ sides

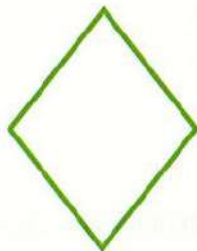
\_\_\_ vertices



**Rhombus**

\_\_\_ sides

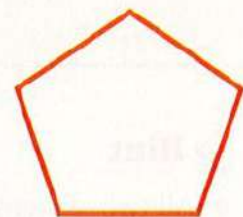
\_\_\_ vertices










**Pentagon**

\_\_\_ sides

\_\_\_ vertices



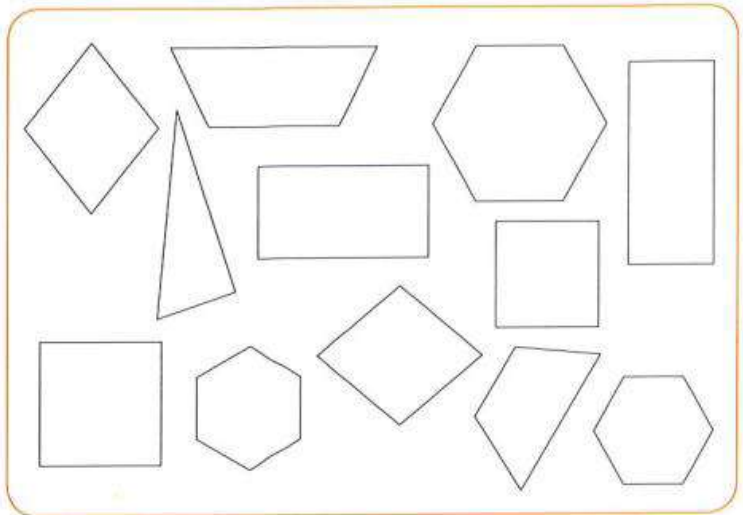
## [3] Complete the table:

| Shape   | Name      | Attributes |          |
|---|-----------|------------|----------|
|   |           | Sides      | Vertices |
|    | Triangle  |            |          |
|    | Square    |            |          |
|    | Rectangle |            |          |
|  | Trapezoid |            |          |
|  | Rhombus   |            |          |
|  | Pentagon  |            |          |
|  | Hexagon   |            |          |

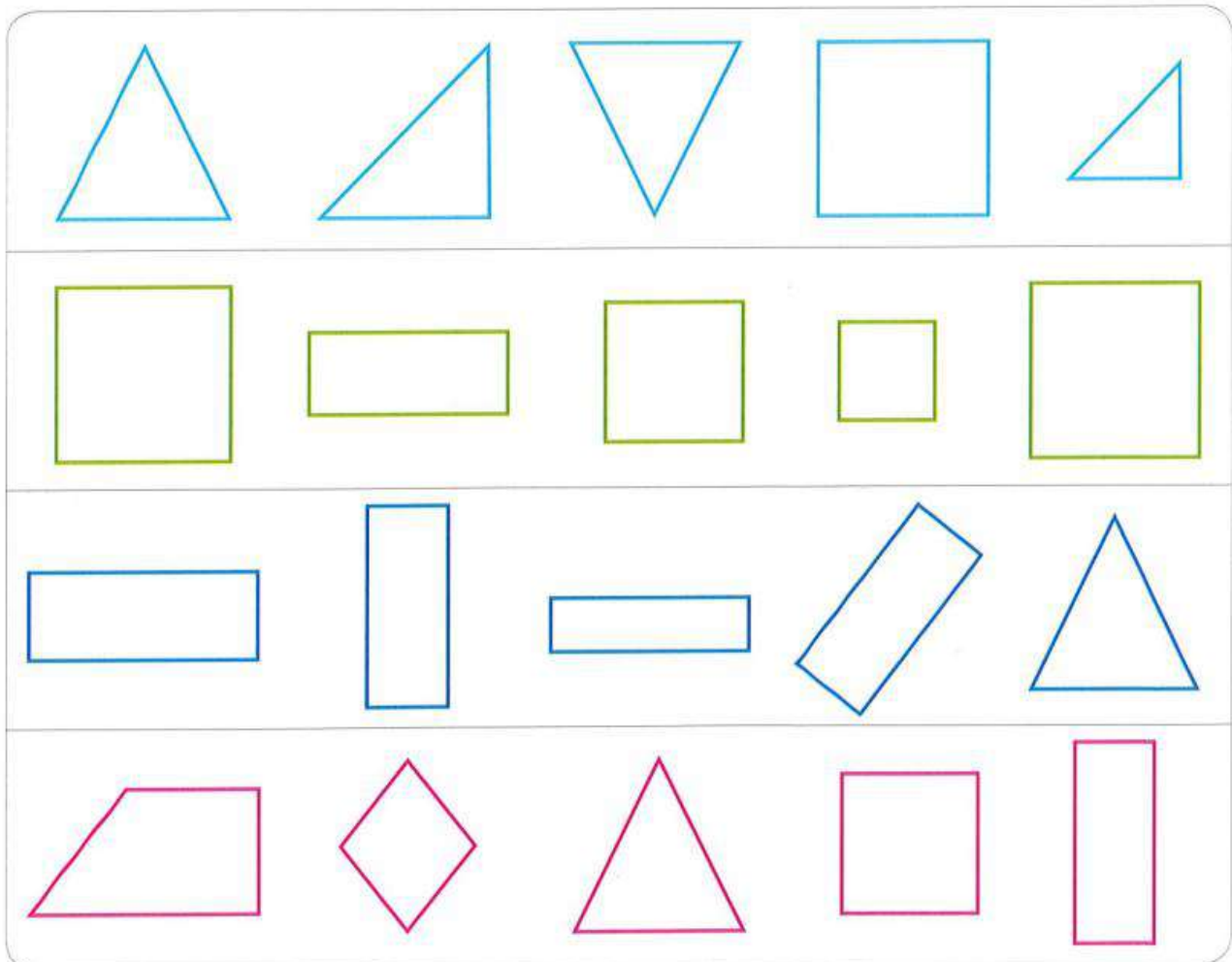


Color.

- Color the hexagons **red**.
- Color the triangles **green**.
- Color the trapezoids **blue**.
- Color the rhombuses **yellow**.
- Color the squares **pink**.
- Color the rectangles **brown**.

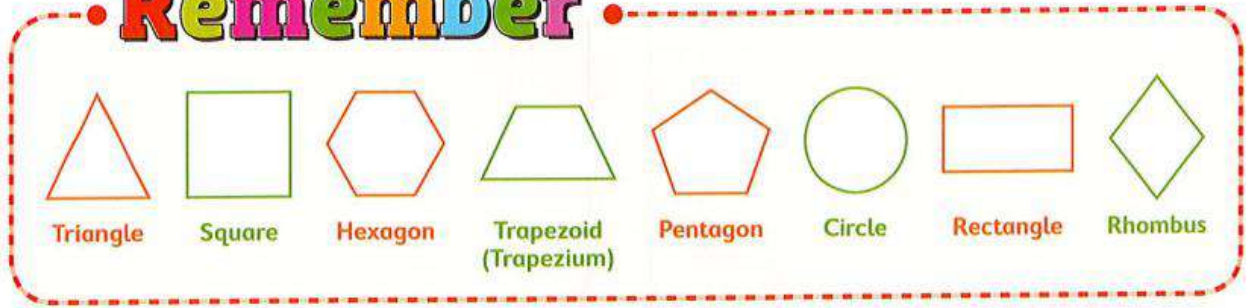


Circle the different shape.



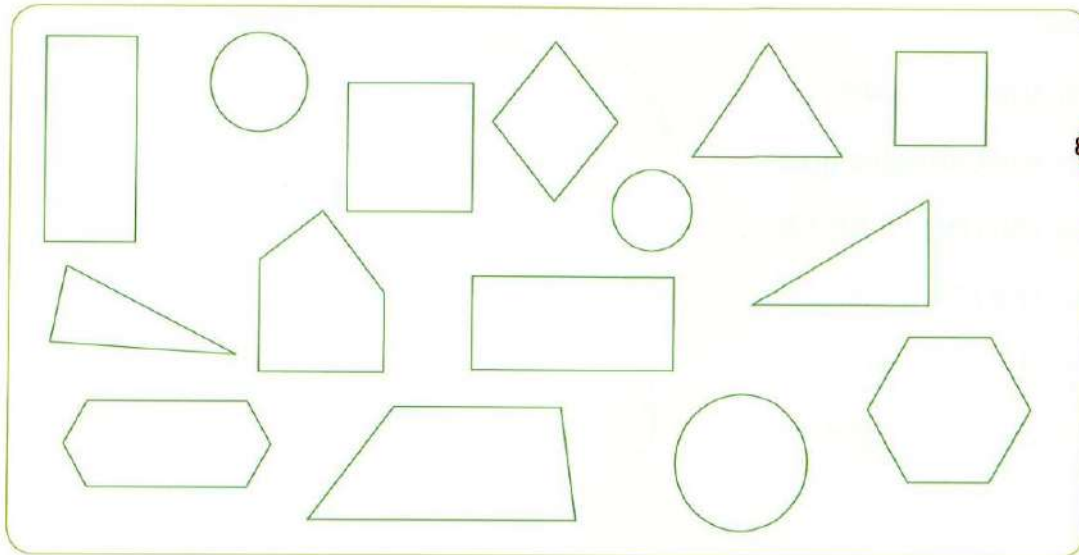


# Remember

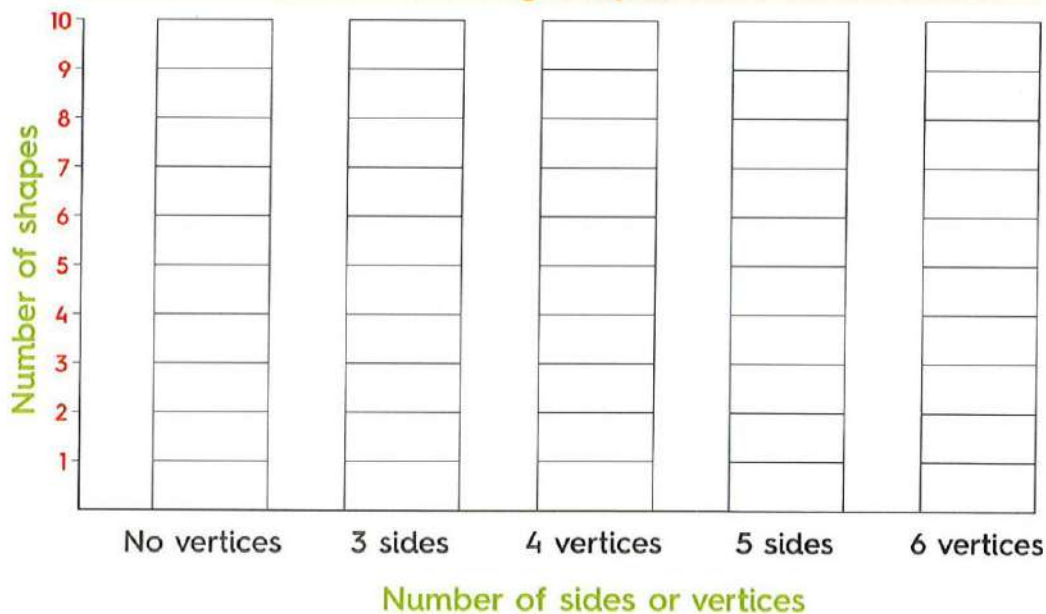


Sort the shapes by the number of sides and vertices.  
Complete the bar graph. Answer the questions.

*Remember :*  
Color 1 box for each shape.







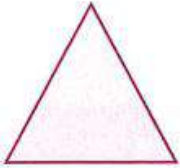
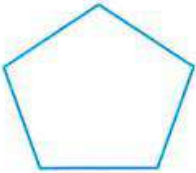
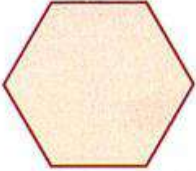
## Sorting shapes





# Homework

Complete the table. The first one is done for you.

| Shape  | Name          | Number of sides | Number of vertices |
|--|---------------|-----------------|--------------------|
| a.    | <i>Square</i> | <u>4</u>        | <u>4</u>           |
| b.    | _____         | _____           | _____              |
| c.   | _____         | _____           | _____              |
| d.  | _____         | _____           | _____              |
| e.  | _____         | _____           | _____              |
| f.  | _____         | _____           | _____              |
| g.  | _____         | _____           | _____              |





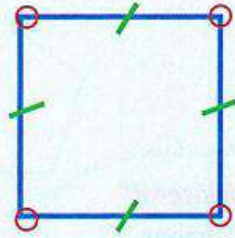
Write the name, and how many sides and vertices there are.

a.

Name : \_\_\_\_\_

\_\_\_\_\_ sides

\_\_\_\_\_ vertices

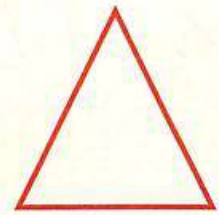


b.

Name : \_\_\_\_\_

\_\_\_\_\_ sides

\_\_\_\_\_ vertices



c.

Name : \_\_\_\_\_

\_\_\_\_\_ sides

\_\_\_\_\_ vertices

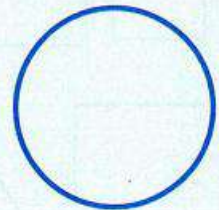


d.

Name : \_\_\_\_\_

\_\_\_\_\_ sides

\_\_\_\_\_ vertices

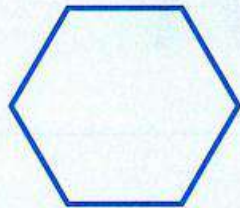


e.

Name : \_\_\_\_\_

\_\_\_\_\_ sides

\_\_\_\_\_ vertices

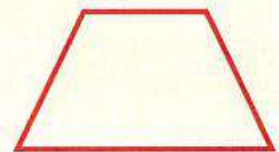


f.

Name : \_\_\_\_\_

\_\_\_\_\_ sides

\_\_\_\_\_ vertices

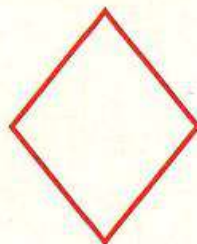


g.

Name : \_\_\_\_\_

\_\_\_\_\_ sides

\_\_\_\_\_ vertices

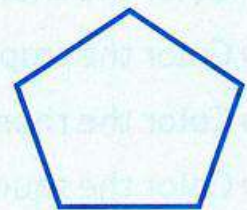


h.

Name : \_\_\_\_\_

\_\_\_\_\_ sides

\_\_\_\_\_ vertices



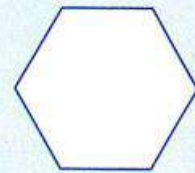
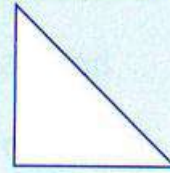
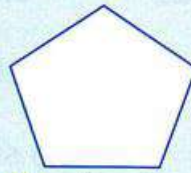
Circle the shape that answers the question.

a.

I am a two-dimensional shape.

I have 4 sides.

Which shape am I ?



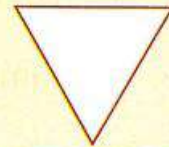
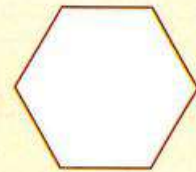
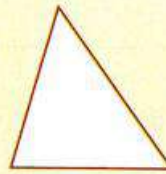
b.

I am a two-dimensional shape.

I have more than 3 sides.

I have fewer than 6 vertices.

Which shape am I ?



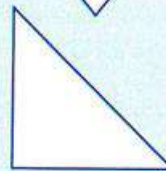
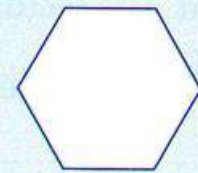
c.

I am a two-dimensional shape.

I have fewer than 6 sides.

I have fewer than 4 vertices.

Which shape am I ?



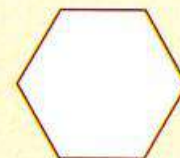
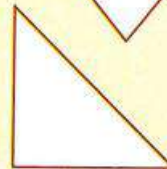
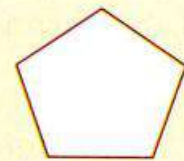
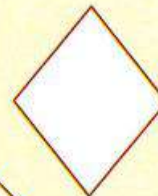
d.

I am a two-dimensional shape.

I have fewer than 6 vertices.

I have more than 4 sides.

Which shape am I ?





## Complete.

- The rectangle has \_\_\_\_\_ sides and \_\_\_\_\_ vertices.
- The \_\_\_\_\_ has 3 sides and 3 vertices.
- The \_\_\_\_\_ has 5 sides.
- The \_\_\_\_\_ has 6 sides.
- The \_\_\_\_\_ has no sides.
- The \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ are quadrilaterals.



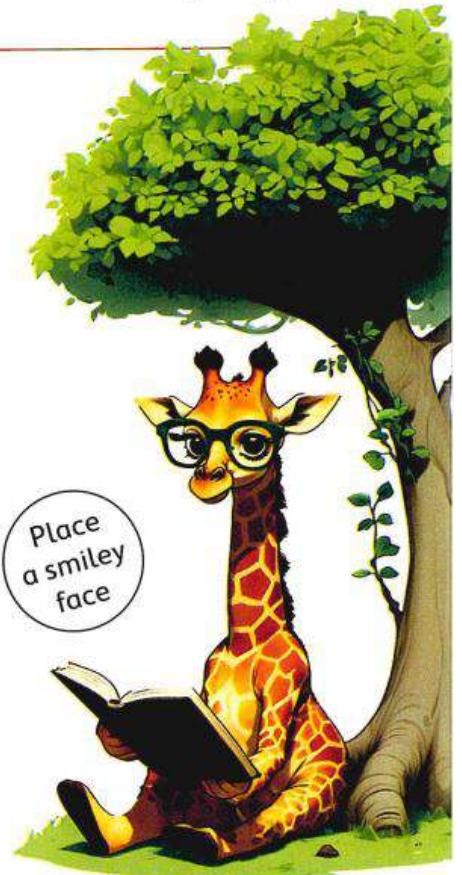
## Put (✓) to the correct statement or (x) to the incorrect statement.

- The hexagon is a quadrilateral. ( )
- The number of sides of the square equals 4. ( )
- The triangle has 4 sides. ( )
- The rectangle has 4 vertices. ( )
- The circle has 1 side. ( )

## Match.

- Square has
- Hexagon has
- Pentagon has
- Triangle has
- Circle has


- 5 sides
- 3 sides
- 0 sides
- 4 sides
- 6 sides







# Sheet (7)

[1] Write the length of each object:

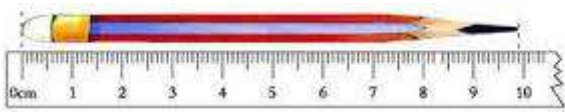
The length is \_\_\_\_\_ 

The length is \_\_\_\_\_ 

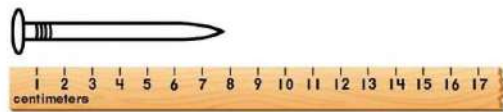
The length is \_\_\_\_\_ 



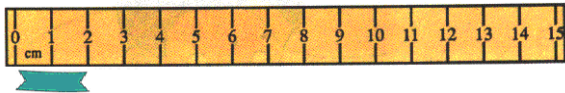
[2] Complete:



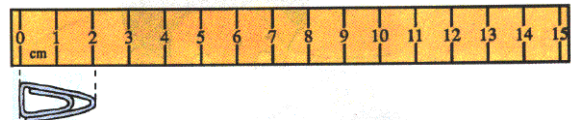
About ..... cm



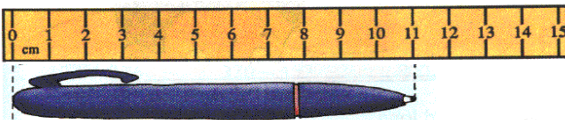
About ..... cm



.....



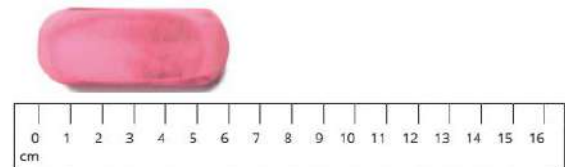
.....



.....



.....



Pink eraser:  
\_\_\_\_\_ centimeters

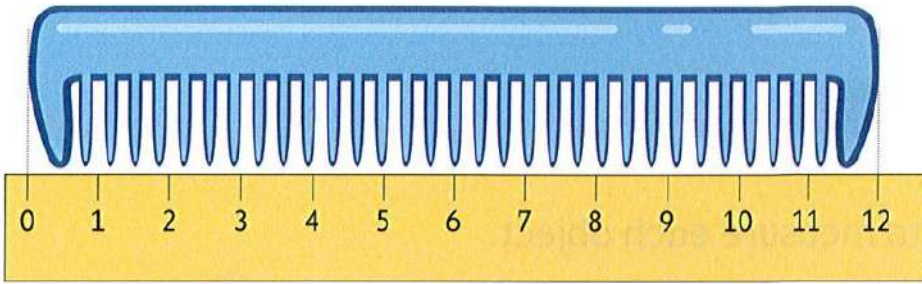


about \_\_\_\_\_ centimeters

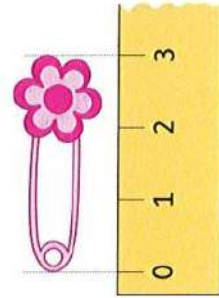




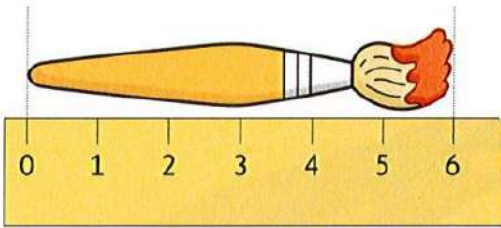
### [3] Write the length of each object:



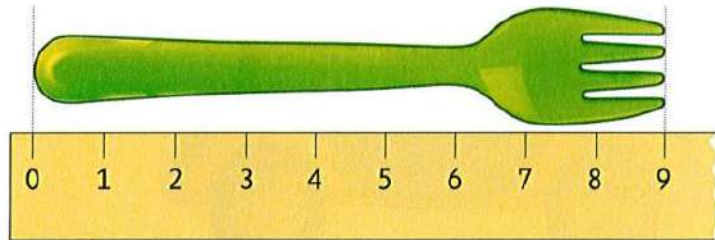
\_\_\_\_\_ centimeter



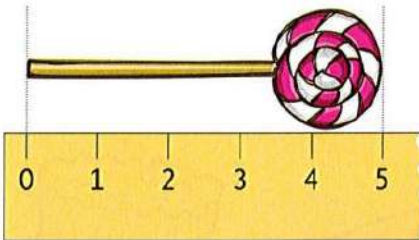
\_\_\_\_\_ centimeter



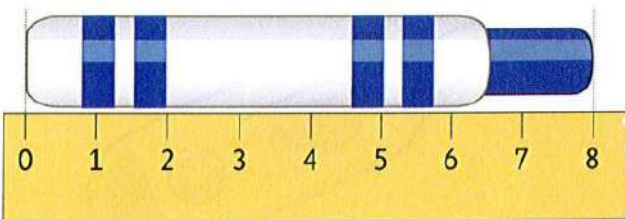
\_\_\_\_\_ centimeter



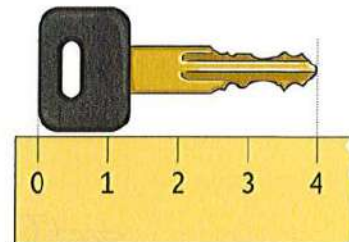
\_\_\_\_\_ centimeter



\_\_\_\_\_ centimeter



\_\_\_\_\_ centimeter



\_\_\_\_\_ centimeter



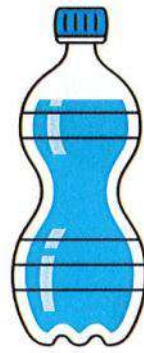


# [4] Choose the suitable unite:



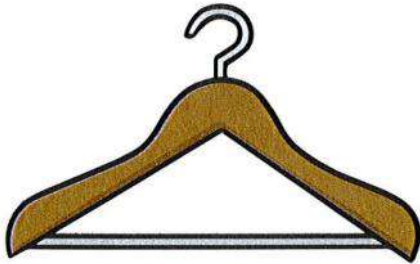
centimeter

meter



centimeter

meter



centimeter

meter

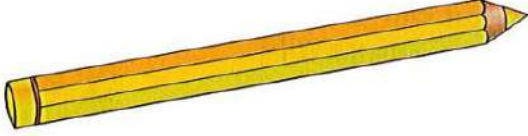
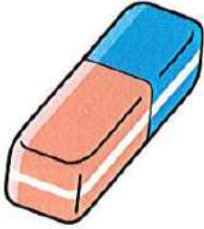





centimeter

meter



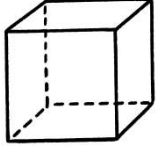
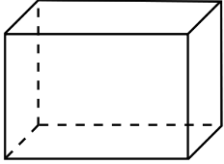
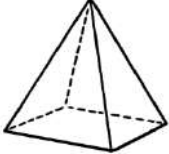

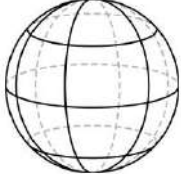
Estimate in centimeters. Choose the suitable estimation.

| Find the object   | Estimate the length  |
|---|--|
| Pencil<br>     | <input type="radio"/> 2 cm <input type="radio"/> 12 cm<br><input type="radio"/> 30 cm <input type="radio"/> 50 cm  |
| Eraser<br>     | <input type="radio"/> 30 cm <input type="radio"/> 20 cm<br><input type="radio"/> 10 cm <input type="radio"/> 4 cm  |
| Shoe<br>      | <input type="radio"/> 8 cm <input type="radio"/> 80 cm<br><input type="radio"/> 18 cm <input type="radio"/> 38 cm  |
| Notebook<br> | <input type="radio"/> 2 cm <input type="radio"/> 25 cm<br><input type="radio"/> 50 cm <input type="radio"/> 100 cm |
| Mobile<br>   | <input type="radio"/> 5 cm <input type="radio"/> 15 cm<br><input type="radio"/> 50 cm <input type="radio"/> 80 cm  |



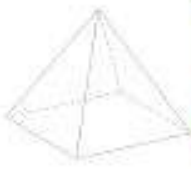





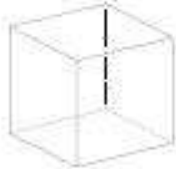

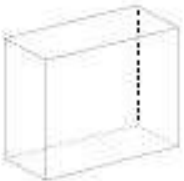



# Solids

| Solid   | Number of faces | Number of edges | Number of vertices |
|---|-----------------|-----------------|--------------------|
| <br><b>Cube</b>              | 6               | 12              | 8                  |
| <br><b>Rectangular prism</b> | 6               | 12              | 8                  |
| <br><b>Square pyramid</b>   | 4 + 1 base      | 8               | 5                  |
| <br><b>Cylinder</b>        | 2 bases         | 0               | 0                  |
| <br><b>Sphere</b>          | 0               | 0               | 0                  |



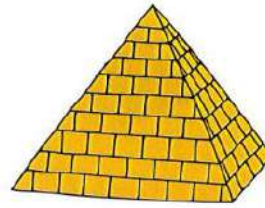
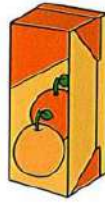
# [1] Complete the table:

| Name                 | Shape   | Faces | Edges | Vertices |
|----------------------|---|-------|-------|----------|
| Square-based pyramid |       |       |       |          |
| Cylinder             |       |       |       |          |
| Sphere               |      |       |       |          |
| Cube                 |   |       |       |          |
| Rectangular prism    |   |       |       |          |





## [2] Join each solid to its name:



Pyramid

Sphere

Cube

Cylinder

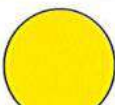
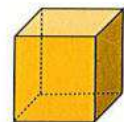
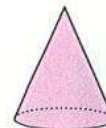
Rectangular  
prism



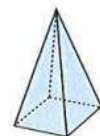
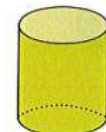
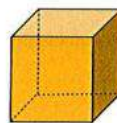
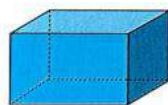
## [3] Circle the solid in which you can see the given shape:



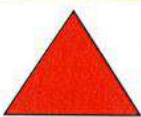
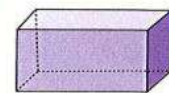
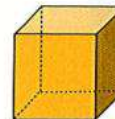
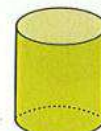
Square



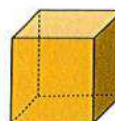
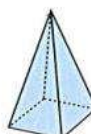
Circle



Rectangle



Triangle



Write how many faces, edges and vertices there are.

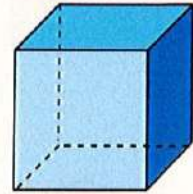
**Sphere**

- \_\_\_\_\_ vertices
- \_\_\_\_\_ flat faces
- \_\_\_\_\_ edges



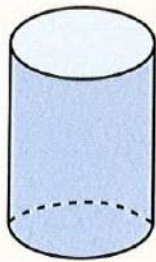
**Cube**

- \_\_\_\_\_ vertices
- \_\_\_\_\_ flat faces
- \_\_\_\_\_ edges



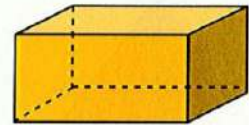
**Cylinder**

- \_\_\_\_\_ vertices
- \_\_\_\_\_ flat faces
- \_\_\_\_\_ edges



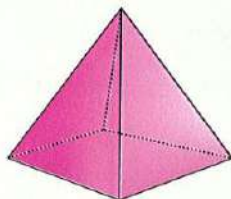
**Rectangular prism**

- \_\_\_\_\_ vertices
- \_\_\_\_\_ flat faces
- \_\_\_\_\_ edges



**Square-based pyramid**

- \_\_\_\_\_ vertices
- \_\_\_\_\_ flat faces
- \_\_\_\_\_ edges



Color the solid figure that matches the number of faces, edges, and vertices. The first one is done for you.

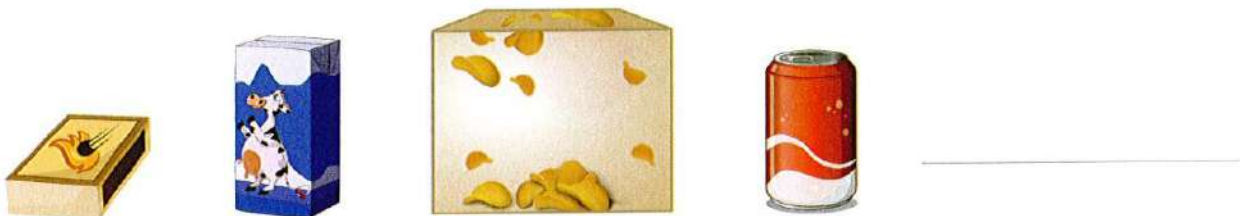
6 faces, 12 edges, 8 vertices

5 faces, 8 edges, 5 vertices

6 faces, 12 edges, 8 vertices




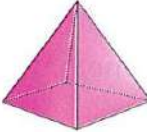

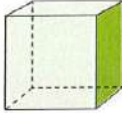




0 faces, 0 edges, 0 vertices

Circle the objects that have the same shape. Crossout the object that does not belong. Name the solid figures you circled.

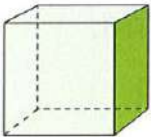
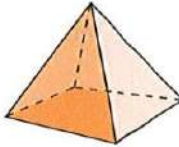

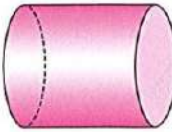





Join each solid with its name. The first one is done for you.

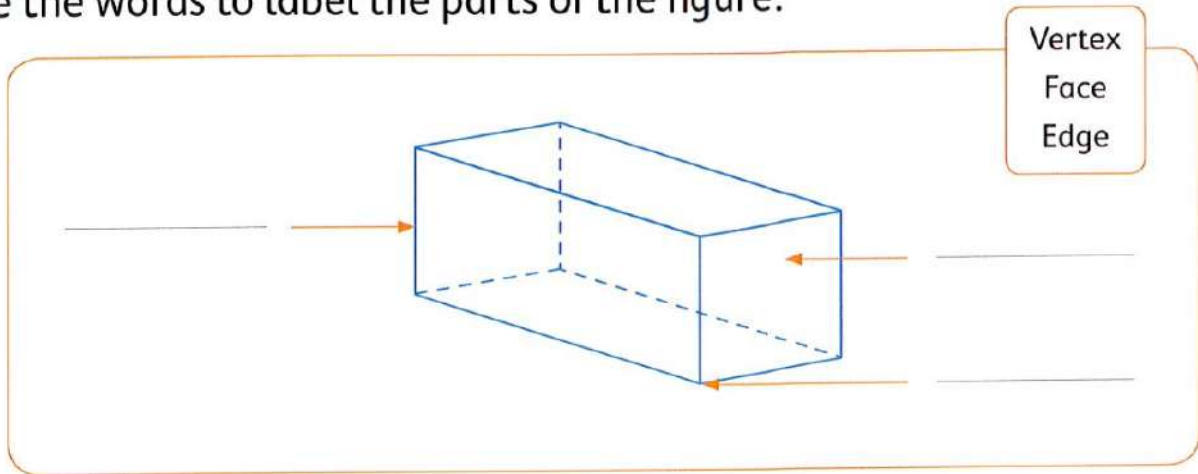
|   |                   |   |
|---|-------------------|---|
|  | Pyramid           |  |
|  | Sphere            |  |
|  | Rectangular prism |  |
|  | Cylinder          |  |
|  | Cube              |  |

Name each solid and write the missing number. The first one is done for you.

|  |   |
|--|---|
|  <p>Name : <u>Cube</u></p> <p><u>8</u>   <u>12</u>   <u>6</u></p> <p>vertices   edges   faces</p> |  <p>Name : _____</p> <p>_____   _____   _____</p> <p>vertices   edges   faces</p> |
|  <p>Name : _____</p> <p>_____   _____   _____</p> <p>vertices   edges   faces</p>                 |  <p>Name : _____</p> <p>_____   _____   _____</p> <p>vertices   edges   faces</p> |
|  <p>Name : _____</p> <p>_____   _____   _____</p> <p>vertices   edges   faces</p>                 |   |

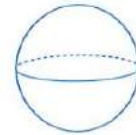
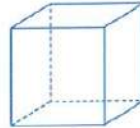
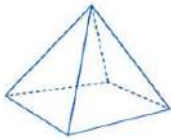


Use the words to label the parts of the figure.

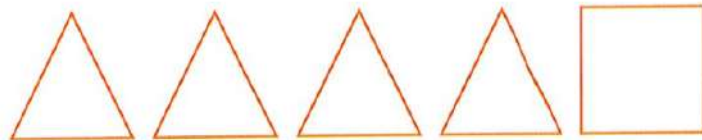


Choose.

1 Which solid figure has 6 faces ?



2 These faces can be put together to make which solid figure ?



• sphere

• cube

• cylinder

• pyramid

3 A two-dimensional shape whose 4 sides are equal in length is \_\_\_\_\_

• rectangle

• circle

• triangle

• rhombus

4 A two-dimensional shape with 4 sides (2 short sides that are equal and 2 long sides that are equal) is \_\_\_\_\_

• square

• hexagon

• rectangle

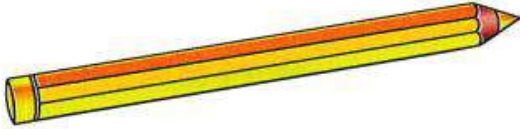
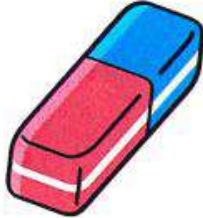



• trapezoid





## Homework

Estimate in centimeters. Choose the suitable estimation.

| Find the object  | Estimate the length   |
|--|---|
| <p>a. Pencil</p>      | <p> <input type="radio"/> 2 cm                      <input type="radio"/> 12 cm<br/> <input type="radio"/> 30 cm                      <input type="radio"/> 50 cm         </p>  |
| <p>b. Eraser</p>      | <p> <input type="radio"/> 30 cm                      <input type="radio"/> 20 cm<br/> <input type="radio"/> 10 cm                      <input type="radio"/> 4 cm         </p>  |
| <p>c. Shoe</p>      | <p> <input type="radio"/> 8 cm                      <input type="radio"/> 80 cm<br/> <input type="radio"/> 18 cm                      <input type="radio"/> 38 cm         </p>  |
| <p>d. Notebook</p>  | <p> <input type="radio"/> 2 cm                      <input type="radio"/> 25 cm<br/> <input type="radio"/> 50 cm                      <input type="radio"/> 100 cm         </p> |
| <p>e. Mobile</p>    | <p> <input type="radio"/> 5 cm                      <input type="radio"/> 15 cm<br/> <input type="radio"/> 50 cm                      <input type="radio"/> 80 cm         </p>  |





Write the name, and how many faces, edges and vertices there are.

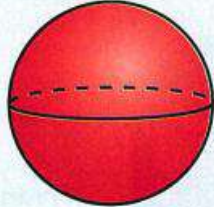
a.

Name : \_\_\_\_\_

\_\_\_\_\_ vertices

\_\_\_\_\_ flat faces

\_\_\_\_\_ edges



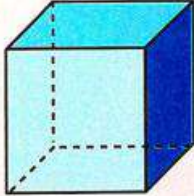
b.

Name : \_\_\_\_\_

\_\_\_\_\_ vertices

\_\_\_\_\_ flat faces

\_\_\_\_\_ edges



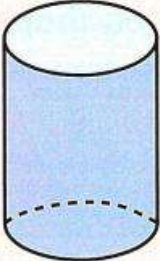
c.

Name : \_\_\_\_\_

\_\_\_\_\_ vertices

\_\_\_\_\_ flat faces

\_\_\_\_\_ edges



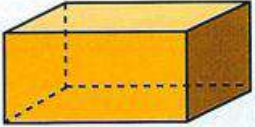
d.

Name : \_\_\_\_\_

\_\_\_\_\_ vertices

\_\_\_\_\_ flat faces

\_\_\_\_\_ edges



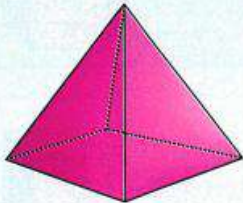
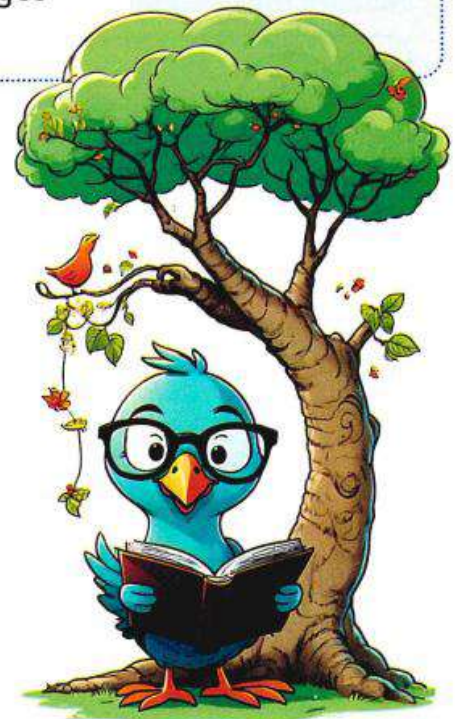
e.

Name : \_\_\_\_\_

\_\_\_\_\_ vertices

\_\_\_\_\_ flat faces

\_\_\_\_\_ edges

**Sheet (8)****Measuring the weight**

We use the grams to measure the small mass such as:



We use the kilograms to measure the big mass such as:



# [1] Circle the suitable unit:



1. grams (gm) or kilograms (kg)?



2. grams (gm) or kilograms (kg)?



3. grams (gm) or kilograms (kg)?



4. grams (gm) or kilograms (kg)?



5. grams (gm) or kilograms (kg)?



6. grams (gm) or kilograms (kg)?



7. grams (gm) or kilograms (kg)?



8. grams (gm) or kilograms (kg)?





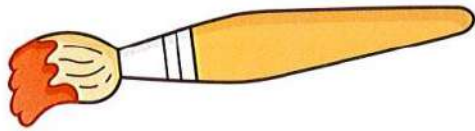
grams

kilograms



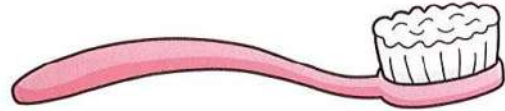
grams

kilograms



grams

kilograms



grams

kilograms



grams

kilograms



grams

kilograms



grams

kilograms



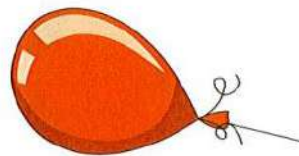
grams

kilograms



grams

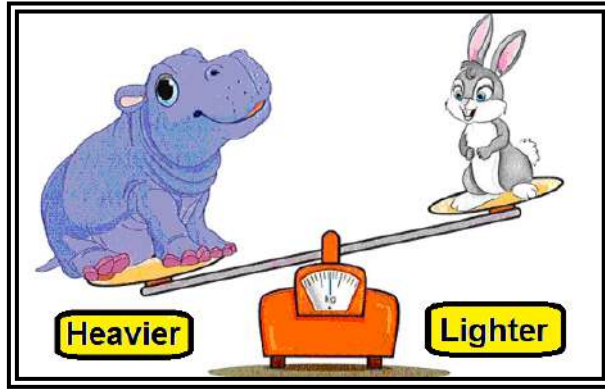
kilograms



grams

kilograms





[2] Put (✓) under the lighter:



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



## [2] Put (✓) under the heavier:



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



# [3] Arrange from lighter to heavier:



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



# [4] Arrange from heavier to lighter:



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )



( )

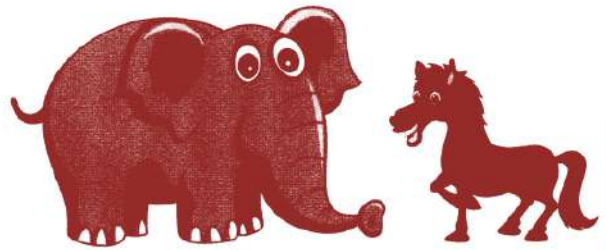


# [5] Circle the heavier:

a



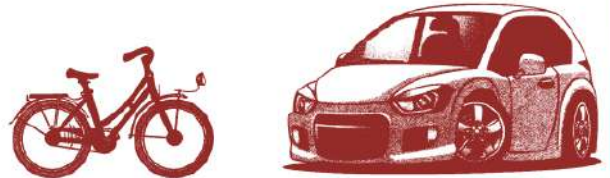
b



c



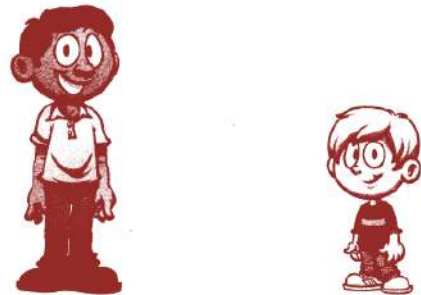
d



e



f



g



h

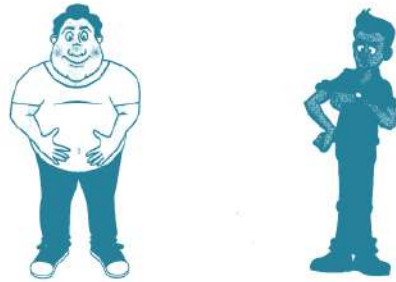


# [6] Circle the lighter:

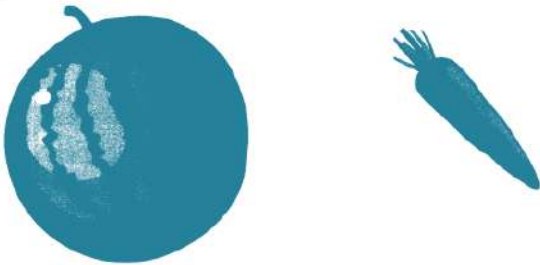
a



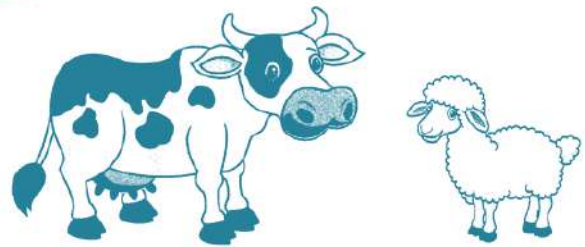
b



c



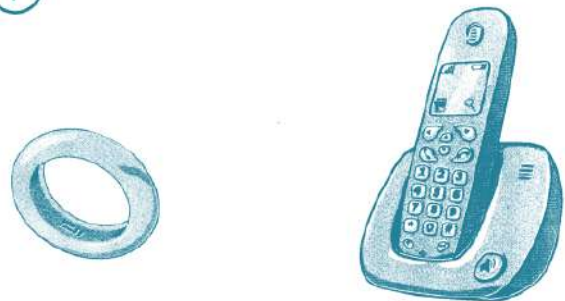
d



e



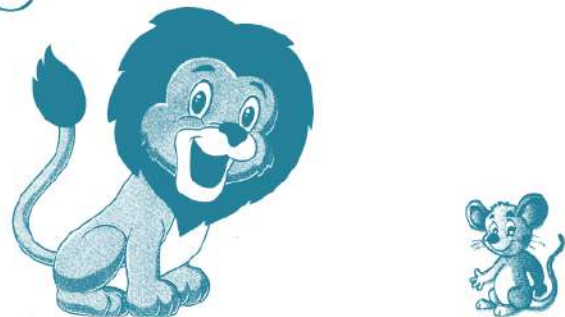
f



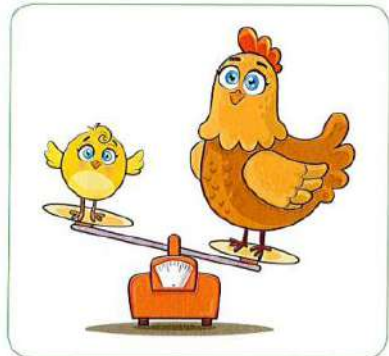
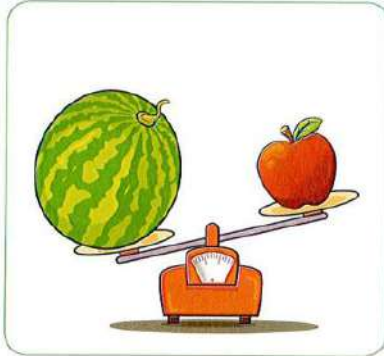
g



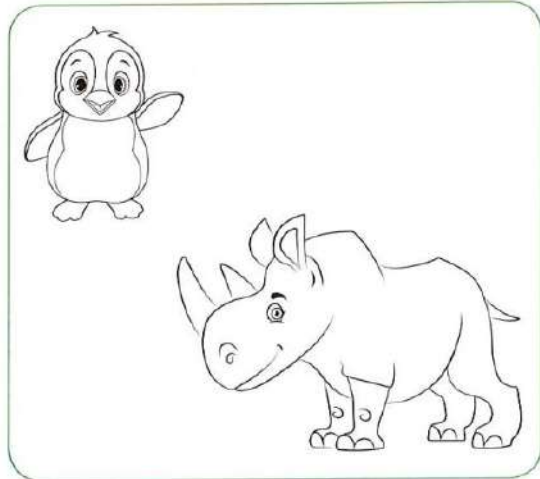
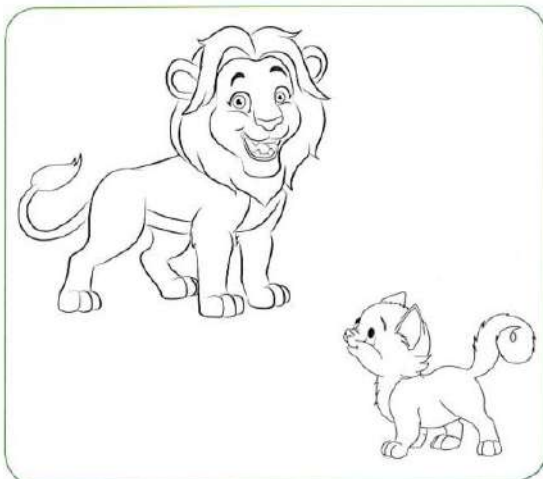
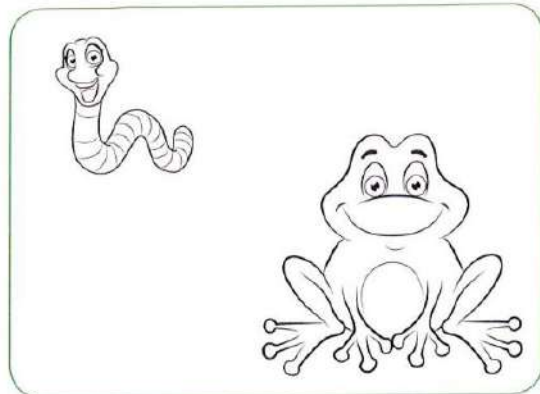
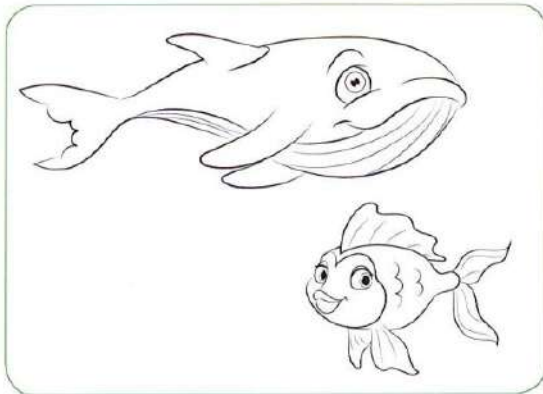
h



# [7] Circle the lighter:



# [8] Color the heavier:







# Homework

Circle the better unit you would use to measure the real object.

a.  

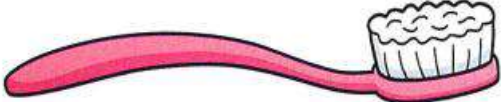
grams kilograms

b.  


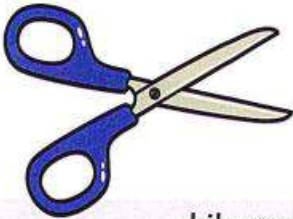
grams kilograms

c.  



grams kilograms

d. 

grams kilograms

e.  


grams kilograms

f.  



grams kilograms

g. 


grams kilograms

h.  

grams kilograms

i.  

grams kilograms

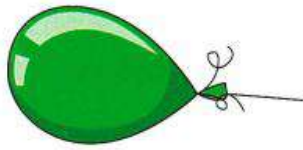
j.  

grams kilograms



Look at each object. Circle the better estimation.

a.



1 gram       $\frac{1}{2}$  kilogram

b.



1 gram      5 kilograms

c.



$\frac{1}{2}$  kilogram      5 kilograms

d.



1 kilogram      1 gram

e.



1 gram      1 kilogram

f.



1 kilogram      10 kilograms

g.



1 gram      1 kilogram

h.



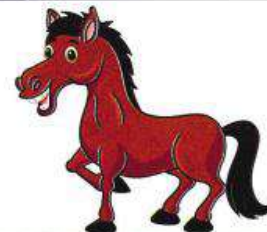
2 grams      2 kilograms

i.



15 grams      15 kilograms

j.






10 kilograms      100 kilograms






Estimate 1 gm, 5 kg or 10 kg, then arrange from least to greatest mass.  
The first one is done for you.




a.

|   |   |   |
|---|---|---|
|  |  |  |
| 10 kg   | 1 gm  | 5 kg  |
| 3   | 1   | 2   |




b.

|   |   |   |
|---|---|---|
|  |  |  |
| _____   | _____   | _____   |
| ○   | ○   | ○   |

c.

|   |   |   |
|---|---|---|
|  |  |  |
| _____   | _____   | _____   |
| ○   | ○   | ○   |

d.

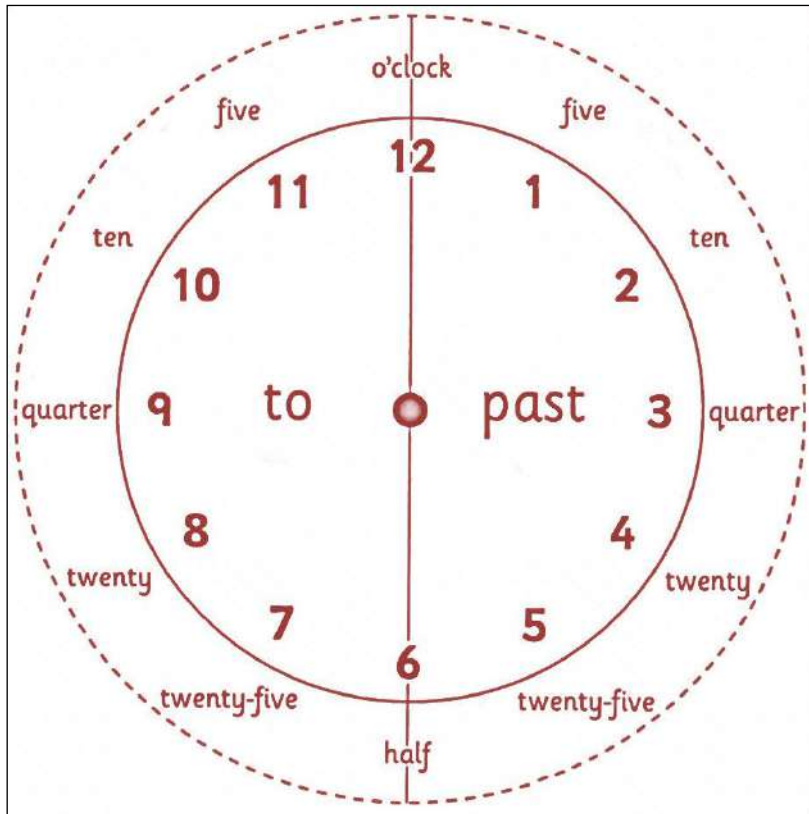
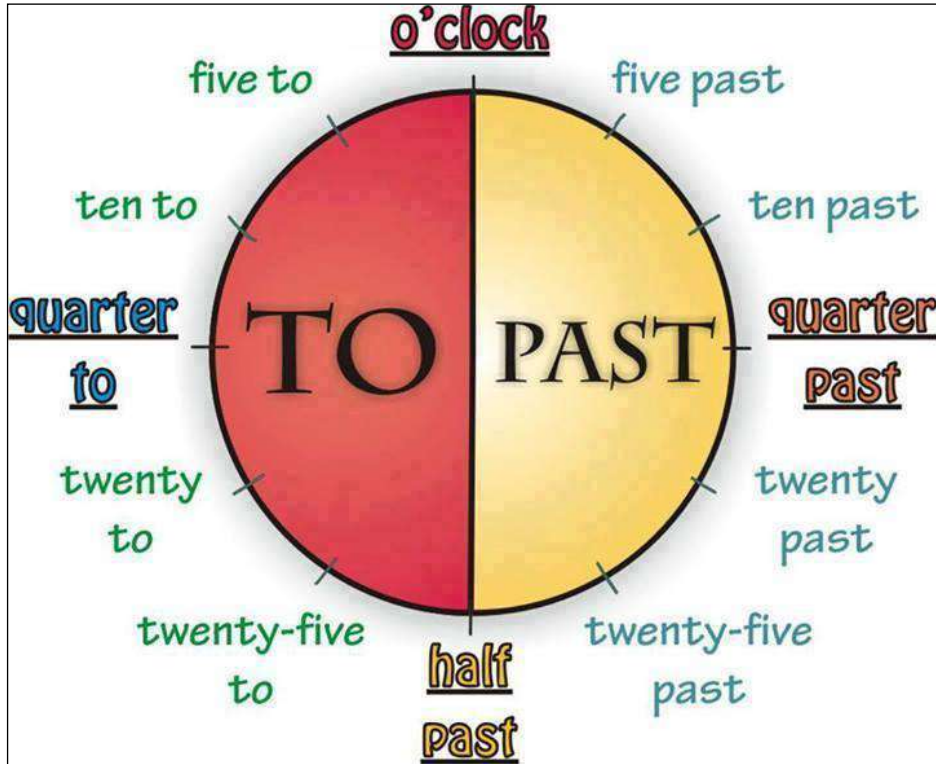
|   |   |   |
|---|---|---|
|  |  |  |
| _____   | _____   | _____   |
| ○   | ○   | ○   |














# Sheet (9)

## TELLING TIME






# [1] What is the time?


|   |   |   |
|---|---|---|
| <p>(a)</p>  <p>.....<br/>..... : .....</p>   | <p>(b)</p>  <p>.....<br/>..... : .....</p>   | <p>(c)</p>  <p>.....<br/>..... : .....</p>   |
| <p>(d)</p>  <p>.....<br/>..... : .....</p>   | <p>(e)</p>  <p>.....<br/>..... : .....</p>   | <p>(f)</p>  <p>.....<br/>..... : .....</p>   |
| <p>(g)</p>  <p>.....<br/>..... : .....</p> | <p>(h)</p>  <p>.....<br/>..... : .....</p> | <p>(i)</p>  <p>.....<br/>..... : .....</p> |



Write the time.



\_\_\_\_\_ o'clock



\_\_\_\_\_ o'clock















\_\_\_\_\_ o'clock





# [2] What is the time?

|   |   |   |
|---|---|---|
| <p>(a)</p>  <p>.....<br/>..... : .....</p>   | <p>(b)</p>  <p>.....<br/>..... : .....</p>   | <p>(c)</p>  <p>.....<br/>..... : .....</p>   |
| <p>(d)</p>  <p>.....<br/>..... : .....</p>   | <p>(e)</p>  <p>.....<br/>..... : .....</p>   | <p>(f)</p>  <p>.....<br/>..... : .....</p>   |
| <p>(g)</p>  <p>.....<br/>..... : .....</p> | <p>(h)</p>  <p>.....<br/>..... : .....</p> | <p>(i)</p>  <p>.....<br/>..... : .....</p> |
| <p>(j)</p>  <p>.....<br/>..... : .....</p> | <p>(k)</p>  <p>.....<br/>..... : .....</p> | <p>(l)</p>  <p>.....<br/>..... : .....</p> |



# [3] Circle the suitable time:

eat breakfast



A.M.

P.M.

practice basketball



A.M.

P.M.

go to art class



A.M.

P.M.

set the table for dinner



A.M.

P.M.

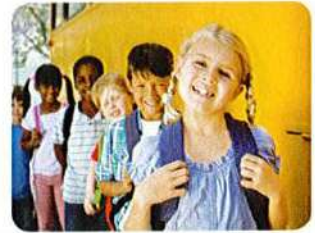
read a bedtime story



A.M.

P.M.

arrive at school



A.M.

P.M.

ride home from school



A.M.

P.M.

sleeping

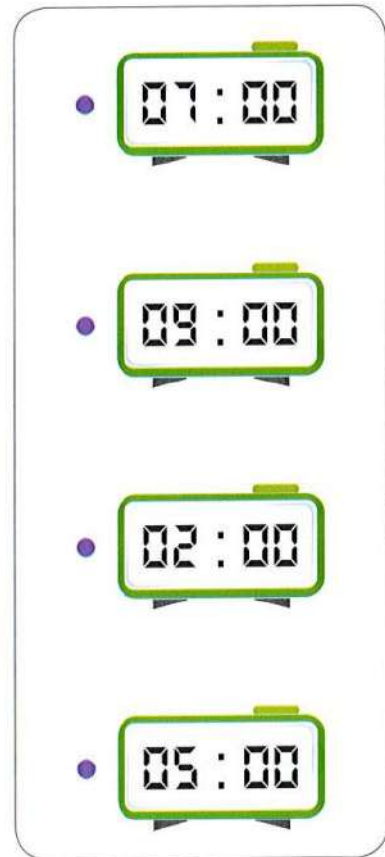
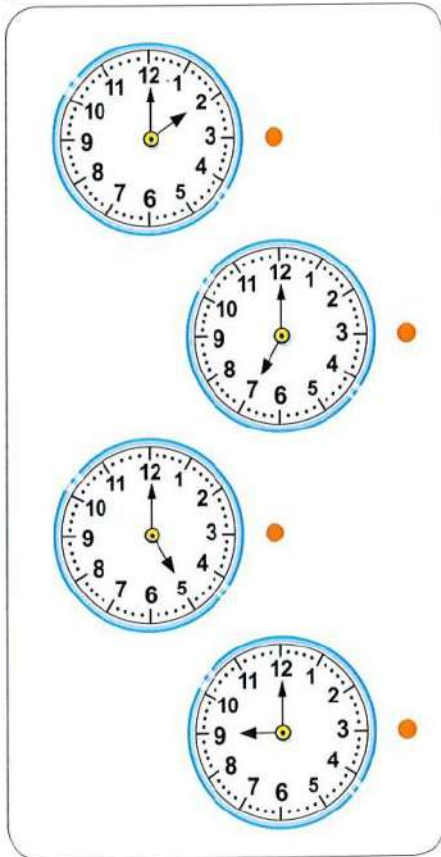


A.M.













P.M.



# [4] Match:



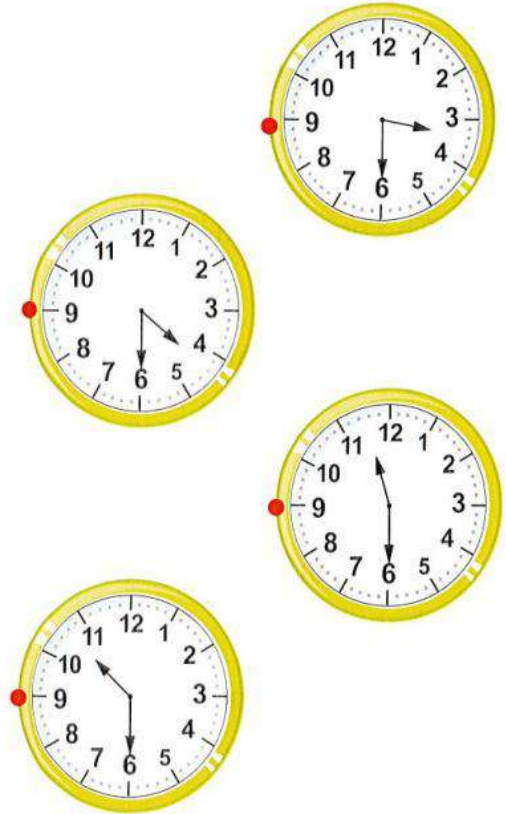
# [5] Write the time:

|  |  |  |
|--|--|--|
| <br> | <br> | <br> |
| <br> | <br> | <br> |




# [6] Match:


- half past 10 •
- half past 4 •
- Half past 11 •
- half past 3 •




# [7] Choose the correct answer:




quarter past 5      quarter to 5




quarter past 11      quarter to 11




quarter past 9      quarter to 9



quarter past 4      quarter to 4



quarter past 12      quarter to 12



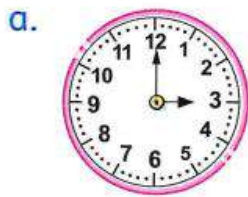
quarter after 2      quarter to 2





# Homework

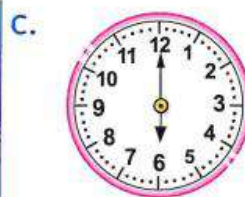
Write the time. The first one is done for you.



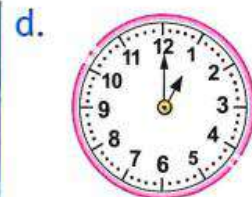
3 o'clock



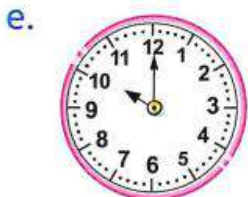
\_\_\_\_\_ o'clock



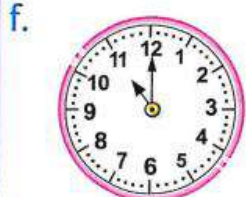
\_\_\_\_\_ o'clock



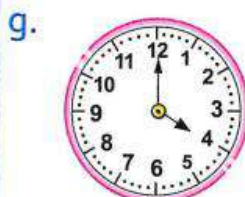
\_\_\_\_\_ o'clock



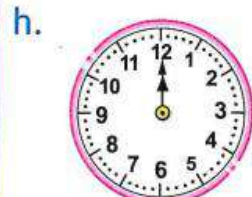
\_\_\_\_\_ o'clock



\_\_\_\_\_ o'clock



\_\_\_\_\_ o'clock



\_\_\_\_\_ o'clock

Join the two clocks that tell the same time.




Write the time shown on the clock.

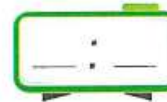
a.   
9 o'clock


b.   
11 o'clock

c.   
4 o'clock

d.   
6 o'clock

e.   
5 o'clock


f.   
1 o'clock


g.   
12 o'clock


h.   
8 o'clock


i.   
3 o'clock


Show the time on the clock.

a.   
4 o'clock


b.   
7 o'clock


c.   
6 o'clock

d.   
9 o'clock

e.   
10 o'clock

f.   
12 o'clock

g.   
1 o'clock

h.   
5 o'clock

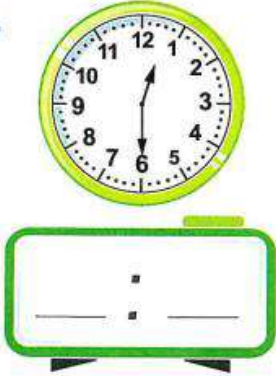
i.   
2 o'clock



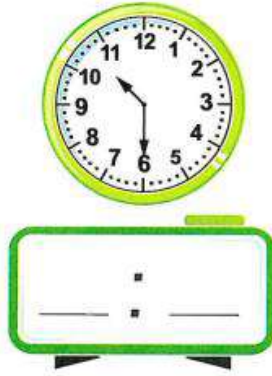
# Reading time with halves

Write the time.

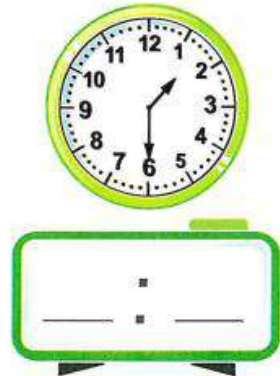
a.



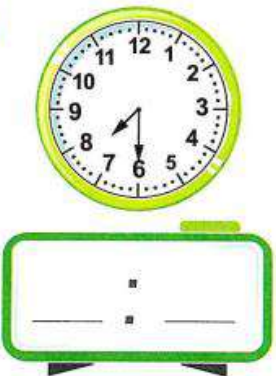
b.



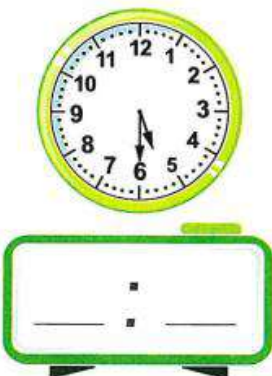
c.



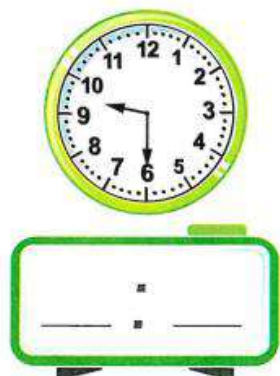
d.



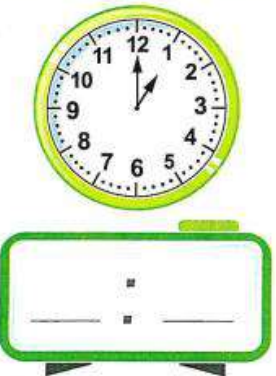
e.



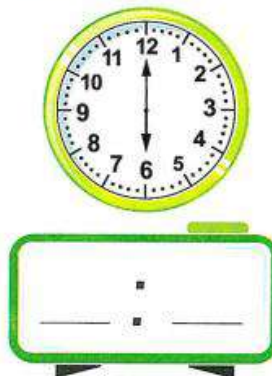
f.



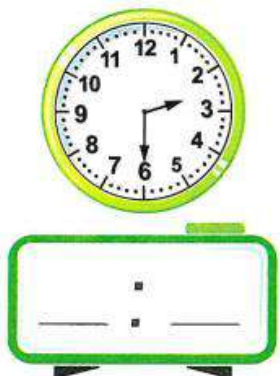
g.



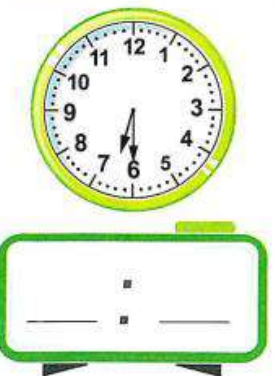
h.



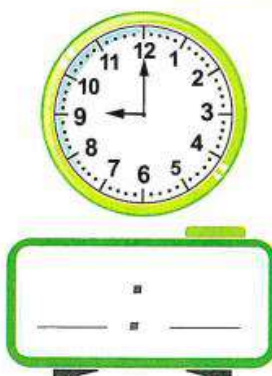
i.



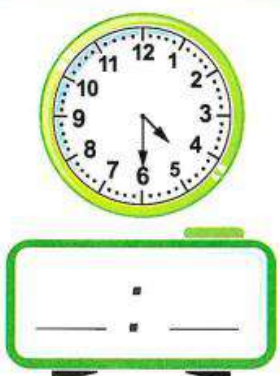
j.



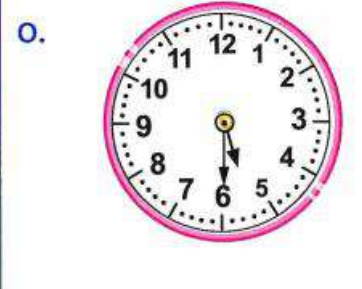
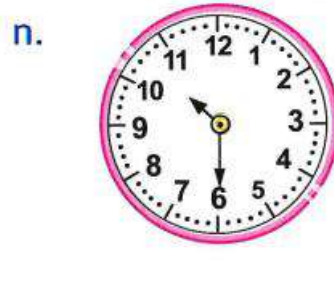
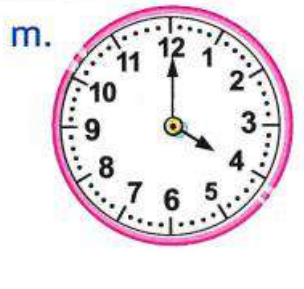
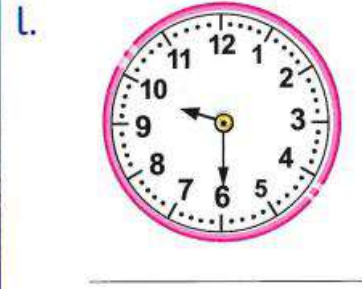
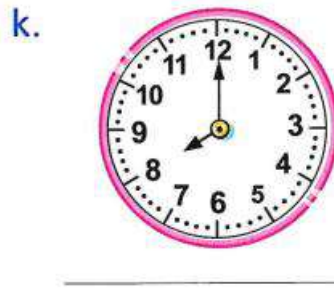
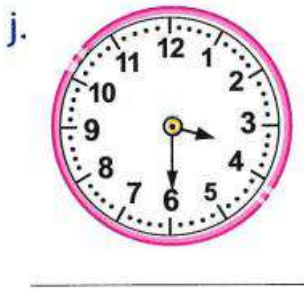
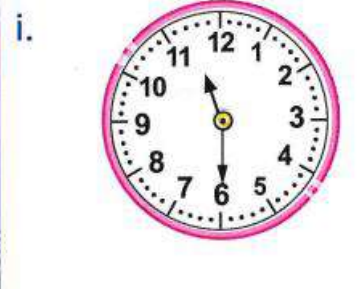
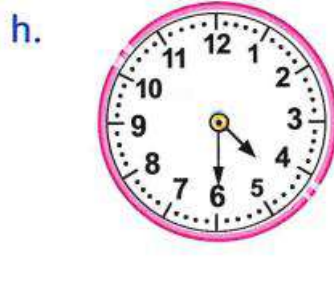
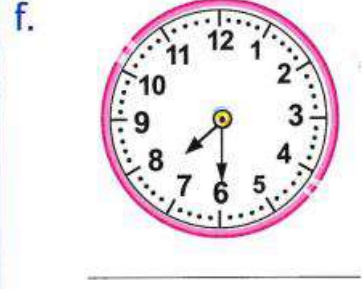
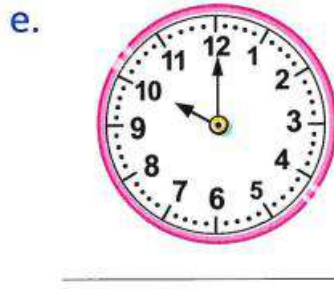
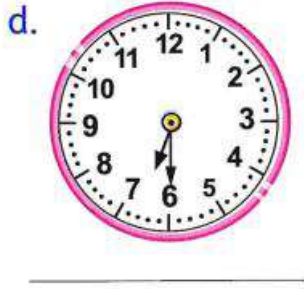
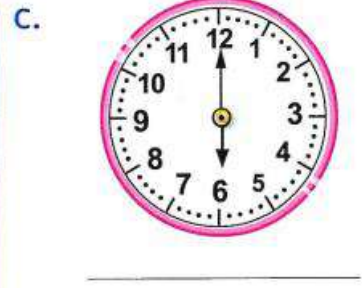
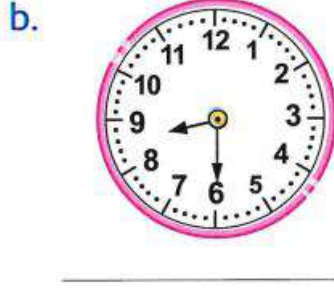
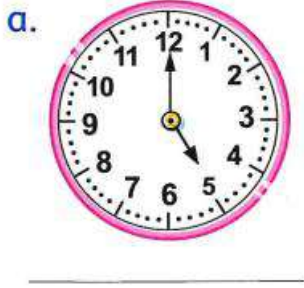
k.



l.



What time is it ?





Match.

a. Half past 10

b. Half past 4

c. Half past 11

d. Half past 3



Draw the hour hand and the minute hand and write the time.  
The first one is done for you.

a.                     

b.                     

c.                     

d.                     

e.                     

f.                     

g.                     

h.                     

i.                     





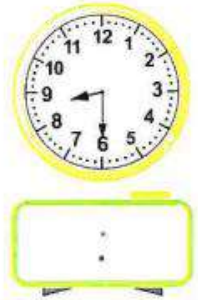
# Homework

Show the time. Where are the hands? Write the numbers. Write the time.  
The first one is done for you.

- The hour hand is halfway between **2** and **3**.
- The minute hand is at **6**.
- **Half past 2**



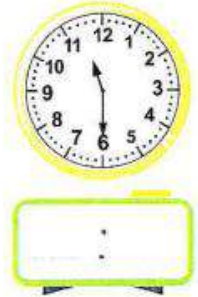
- The hour hand is halfway between \_\_\_\_\_ and \_\_\_\_\_.
- The minute hand is at \_\_\_\_\_.
- \_\_\_\_\_



- The hour hand is halfway between \_\_\_\_\_ and \_\_\_\_\_.
- The minute hand is at \_\_\_\_\_.
- \_\_\_\_\_



- The hour hand is halfway between \_\_\_\_\_ and \_\_\_\_\_.
- The minute hand is at \_\_\_\_\_.
- \_\_\_\_\_



Draw the hour hand and the minute hand and write the time.  
The first one is done for you.

a. It's 8 o'clock

b. It's half past 4

c. It's half past 9

d. It's half past 2


e. It's 3 o'clock


f. It's half past 10








Put (✓) to the correct statement or (X) to the incorrect statement.


a.  The time is half past 3 ( )

b.  The time is 2 o'clock ( )

c.  The time is half past 7 ( )



d.  The time is half past 11 ( )



e.  The time is half past 12 ( )



f.  The time is half past 9 ( )







Write the time. Choose the correct answer.


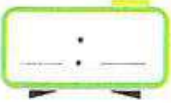
   
quarter past 5      quarter to 5

   
quarter past 11      quarter to 11

   
quarter past 9      quarter to 9

   
quarter past 4      quarter to 4

   
quarter past 12      quarter to 12

   
quarter after 2      quarter to 2

