

PONY

سلسلة كتب الاستاذ

MATH



SECOND TERM
FINAL REVISION

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PRIMARY
SECOND TERM

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BY: MOHAMED NASRELDIN



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Assessment on Chapter 7

First: Choose the correct answer:

- 1 $5 + 5 + 5 + 5 = \dots\dots\dots$ (5×5 or 5×4 or $5 + 4$)
- 2 $(3 \times 5) + (3 \times 3) = \dots\dots\dots$ (3×35 or 3×15 or 3×8)
- 3 $8 \times 30 = 24 \times \dots\dots\dots$ (10 or 30 or 3)
- 4 $72 \div \dots\dots\dots = 9$ (7 or 8 or 9)
- 5 If the perimeter of a rectangle is **24** cm and its width is **4** cm, then its length is $\dots\dots\dots$ cm. (6 or 20 or 8)

Second: Complete the following:

- 1 $2 \times 5 \times 8 = (2 \times \dots\dots\dots) \times 8 = \dots\dots\dots \times 8 = \dots\dots\dots$
- 2 $7 \times 13 = 7 \times (3 + \dots\dots\dots) = (7 \times \dots\dots\dots) + (7 \times \dots\dots\dots) = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots$
- 3 Perimeter of the square = Side length $\times \dots\dots\dots$
- 4 Perimeter of the rectangle = ($\dots\dots\dots + \dots\dots\dots$) $\times 2$
- 5 $8 \times (3 \times \dots\dots\dots) = (\dots\dots\dots \times \dots\dots\dots) \times 6$

Third: Put (✓) or (X):

- 1 $8 \times 6 \times 4 = (8 \times 3) + (3 \times 4)$ ()
- 2 $4 \times 60 = 3 \times 80$ ()
- 3 If the perimeter of a square is **8** cm, then its side length is **32** cm. ()
- 4 $3 \times 15 = (3 + 5) \times (3 + 10)$ ()
- 5 $45 \div 5 = 9$ ()

Fourth: Match:

- 1 $(2 \times 3) + (2 \times 5)$
- 2 $5 \times 3 \times 10$
- 3 $4 \times (5 + 2)$
- 4 $4 \times (5 \times 2)$
- 5 3×40

- a 5×30
- b 4×7
- c 12×10
- d 2×8
- e 4×10

Fifth: Answer the following:

1 Estimate the **product** of the multiplication, then find the **actual product**:

	Problem	Estimate	Actual Product
a	6×7	.....	.....
b	9×12	.....	.....
c	$2 \times 3 \times 4$ \times = \times =

2 Complete the **fact family** below using **4, 5, and 20**:

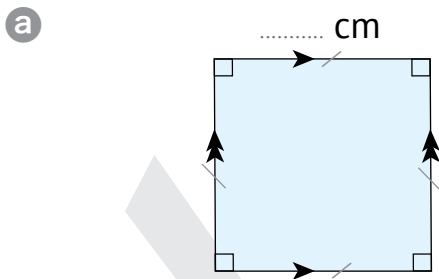
..... \times =

..... \times =

..... \div =

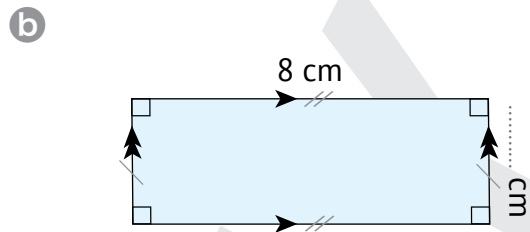
..... \div =

3 Find the **unknown side**:



Perimeter = 32 cm.

.....



Perimeter = 28 cm.

.....

4 If the school library has **5** cupboards with each having **4** shelves and each shelf holding **6** books, how many books are there in the library?

.....



Assessment on Chapter 8

First: Choose the correct answer:

1 Five-sevenths =

($\frac{5}{7}$ or $\frac{7}{5}$ or 5×7)

2 $\frac{1}{4}$ $\frac{1}{7}$

(< or = or >)

3 The fraction that represents the shaded parts in the opposite figure is



($\frac{2}{3}$ or $\frac{3}{5}$ or $\frac{2}{5}$)

4 Half a lemon Half a watermelon

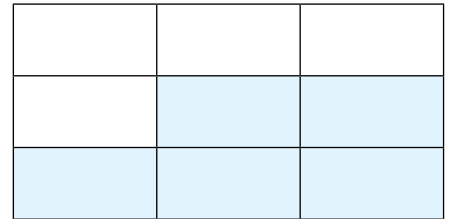
(< or = or >)

5 The number of sixths in one whole is sixths.

(1 or 5 or 6)

Second: Complete the following:

1 The fraction that represents the shaded parts in the opposite figure is



2 $\frac{1}{3}$ of 12 is

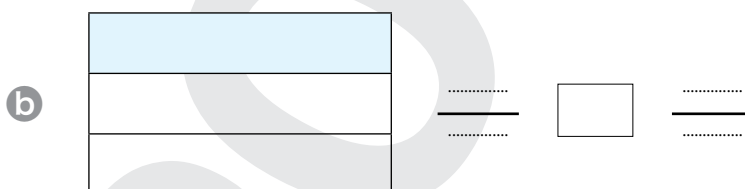
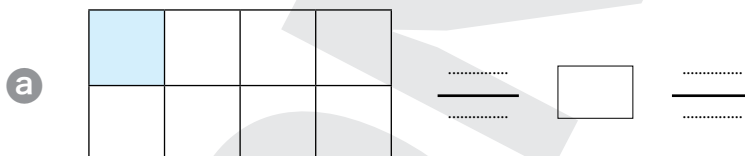
3 There are thirds in one whole.

4 $\frac{1}{4}$ an hour is minutes.

5 $1 = \frac{\dots}{8}$

Third: Answer the following:

1 Write the fractions and compare using (<, =, or >):



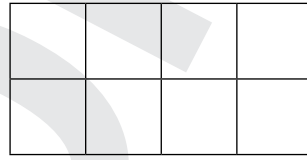
2 Color according to the written fraction:

a



$$\frac{2}{3}$$

b



$$\frac{3}{4}$$

3 Marwan has a long loaf of bread that he wants to share with **three** of his friends. Use the following **fraction model** to express this.



4 Arrange the following fractions in an **ascending** order:

$$\frac{1}{5}, \frac{1}{3}, \frac{1}{8}, \frac{1}{4}$$

.....,,,

Assessment on Chapter 9

First: Choose the correct answer:

1 $\frac{3}{4}$ $\frac{1}{4}$

(< or = or >)

2 $\frac{3}{5} + \dots = \frac{4}{5}$

($\frac{7}{5}$ or $\frac{1}{5}$ or $\frac{2}{5}$)

3 $\frac{4}{8} > \dots$

($\frac{5}{8}$ or $\frac{4}{5}$ or $\frac{3}{8}$)

4 $\frac{4}{7} - \dots = \frac{1}{7}$

($\frac{3}{7}$ or $\frac{4}{7}$ or $\frac{3}{4}$)

5 The fraction represented on the following number line is



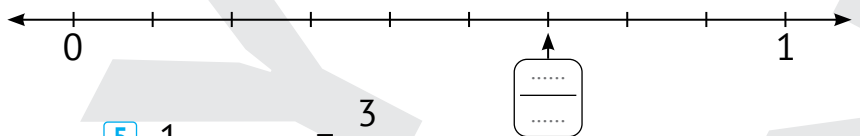
($\frac{1}{2}$ or $\frac{1}{4}$ or $\frac{1}{8}$)

Second: Complete the following:

1 $\frac{3}{8} + \frac{4}{8} = \dots$

2 $\frac{5}{9} - \frac{3}{9} = \dots$

3 The fraction represented on the following number line is



4 $\dots + \frac{3}{5} = 1$

5 $1 - \dots = \frac{3}{7}$

Third: Answer the following:

1 Arrange the following numbers in a **descending** order:

$\frac{2}{7}$, 1 , $\frac{2}{5}$, $\frac{2}{3}$

..... ,,

2 Omar walked for $\frac{4}{10}$ km, and then walked for $\frac{3}{10}$ km.

What distance did Omar walk?

.....

Assessment on Chapter 10

First: Complete the following:

1 $\frac{3}{4} = \frac{9}{\dots\dots\dots}$

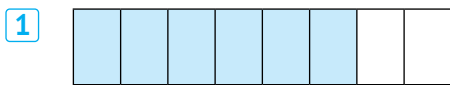
2 $\frac{24}{36} = \frac{4}{\dots\dots\dots}$

3 $\frac{1}{2} = \frac{\dots\dots\dots}{4} = \frac{4}{\dots\dots\dots}$

4 If $3 \times 5 = 15$, then $15 \div \dots\dots\dots = 5$.

5 $64 \div \dots\dots\dots = 8$

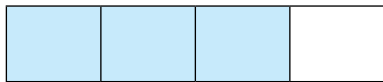
Second: Complete using the **models** or **number lines** shown:



.....

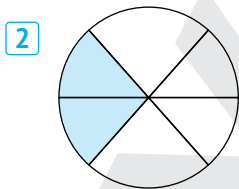
.....

$$\frac{\dots\dots\dots}{\dots\dots\dots} = \frac{3}{4}$$



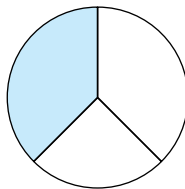
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$$\frac{\dots\dots\dots}{\dots\dots\dots} = \frac{1}{3}$$



.....

.....

$$\frac{1}{2} = \frac{\dots\dots\dots}{\dots\dots\dots}$$



.....

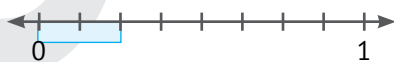
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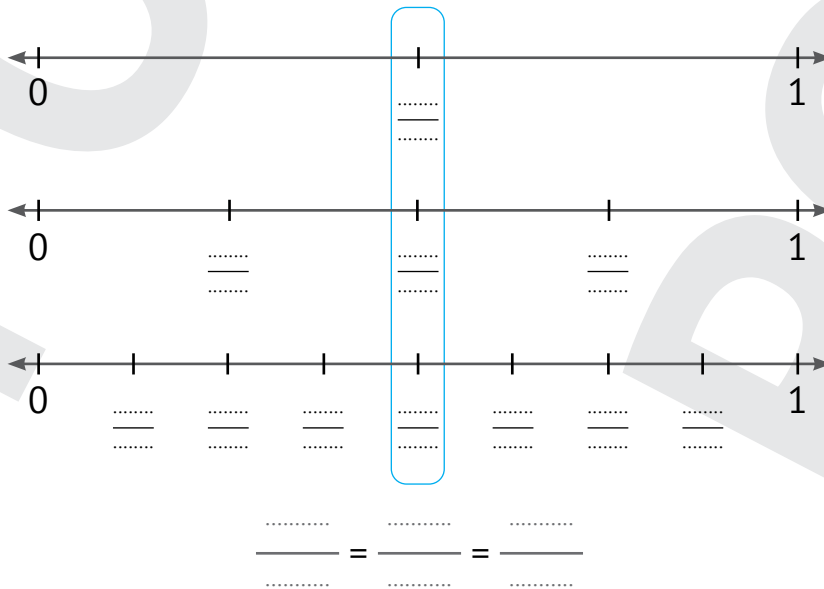
$$\frac{1}{4} = \frac{\dots\dots\dots}{\dots\dots\dots}$$



.....

.....

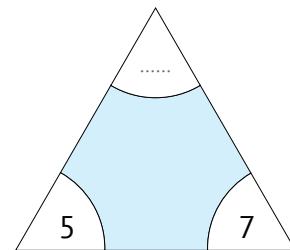
Third: Complete the **number lines** shown, then write the **equivalent fractions**:



Fourth: Complete the **fact family** below:

1 X = 3 ÷ =

2 X = 4 ÷ =



Fifth: Answer the following:

1 Ahmed divided **28** pounds among his sons, and each son took **7** pounds. How many children does Ahmed have?

.....

2 Hossam bought a piece of chocolate divided into 10 equal parts. Hossam ate $\frac{3}{5}$ of them. Complete the following:

a The number of parts that Hossam ate is parts.

b The fraction that represents what Hossam ate is $\frac{\text{.....}}{10}$.

Assessment on Chapter 11

First: Choose the correct answer:

- 1 $4 \times 3 = \dots\dots\dots$ ($4 + 3$ or $3 + 3 + 3$ or $4 + 4 + 4$)
- 2 $8 \times 30 = 4 \times \dots\dots\dots$ (10 or 60 or 6)
- 3 If the perimeter of a square is 36 cm, then its area is $\dots\dots\dots$ cm².
(36 or 24 or 81)
- 4 If the length of a rectangle is 8 cm and its width is 4 cm, then
the area of the rectangle is $\dots\dots\dots$ cm². (32 or 24 or 12)
- 5 $6 \times 3 = 3 \times \dots\dots\dots$ (18 or 3 or 6)

Second: Complete the following:

- 1 $8 + 8 + 8 + 8 = 4 \times \dots\dots\dots$
- 2 $48 \div \dots\dots\dots = 8$
- 3 Area of the rectangle = $\dots\dots\dots \times \dots\dots\dots$
- 4 $8 \times 50 = 8 \times 5 \times \dots\dots\dots = \dots\dots\dots \times 10 = \dots\dots\dots$
- 5 $3 \times (4 + \dots\dots\dots) = (\dots\dots\dots \times 4) + (\dots\dots\dots \times 5)$

Third: Use 3 and 4 to complete the following fact family:

1 $\dots\dots \times \dots\dots = \dots\dots$

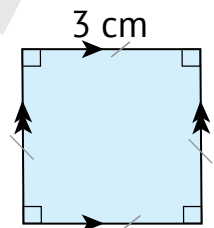
2 $\dots\dots \times \dots\dots = \dots\dots$

3 $\dots\dots \div \dots\dots = \dots\dots$

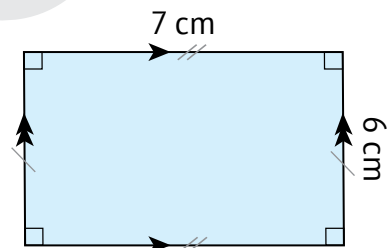
4 $\dots\dots \div \dots\dots = \dots\dots$

Fourth: Find the perimeter and area of each of the following shapes:

- 1 Perimeter = $\dots\dots\dots$
Area = $\dots\dots\dots$



- 2 Perimeter = $\dots\dots\dots$
Area = $\dots\dots\dots$

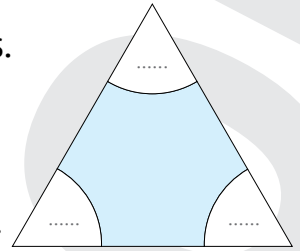


Fifth: Answer the following:

- 1 Ahmed divided **18** pounds equally among his **three** sons.

How much would each son take?

Write an equation with an unknown to represent the story problem, then solve it. Use the **fact-family triangle**.



Equation with an unknown:

Answer:

- 2 The area of a rectangle is **24** sq cm, and its width is **3** cm.

Find the **length** of the rectangle and its **perimeter**.

.....

.....

Assessment on Chapter 12

First: Choose the correct answer:

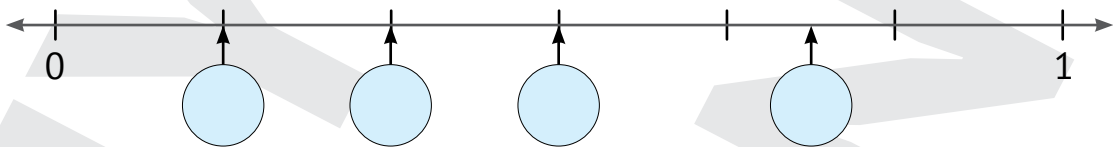
- The smallest 6-different-digit number is
(100,000 or 102,345 or 123,456)
- The value of the digit 4 in 240,356 is (40 or 4,000 or 40,000)
- 44,003 40,433 (< or = or >)
- The elapsed time from 1:30 p.m. to 2:15 p.m. is minutes. (30 or 15 or 45)

Second: Complete the following:

- The place value of the digit 6 in 187,632 is
- $5 + 60 + 20,000 + 800,000 = \dots\dots\dots$
- 8,000 Hundreds = Thousands.
- If the time now is 10:45, then the time 3 hours ago was

Third: Place the following fractions on the number line, then write them in an ascending order:

$$\frac{3}{4}, \frac{1}{6}, \frac{1}{3}, \frac{1}{2}$$

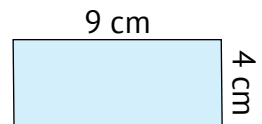


.....,,,

Fourth: Find the perimeter and area of the following shape:

Perimeter = cm.

Area = sq cm.



Fifth: Walaa spends 3 hours studying. If she starts studying at 7:30 p.m., when does she finish studying?



Started



Finished

General Exercises

Multiplication and Division

First: Choose the correct answer:

- a** $6 + 6 + 6 + 6 + 6 =$
(6×6 or $6 + 5$ or 6×5)
- b** $4 + 4 + 4 + 4 + 4 =$
(4×4 or 2×10 or $4 + 5$)
- c** $8 \times 2 =$
(4×4 or $8 + 2$ or 4×6)
- d** $9 \times 4 = 30 +$
(6 or 36 or 9)
- e** $42 \div 6 =$
(8 or 7 or 6)
- f** $8 \times 6 = 6 \times$
(6 or 7 or 8)
- g** $5 \times$ $= 4 \times 10$
(8 or 7 or 6)
- h** $= 4 \times 6$
(16 or 24 or 32)
- i** $7 \times 30 =$ $\times 10$
(21 or 10 or 7)
- j** $6 \times ($ $\times 7) = (6 \times 5) \times 7$
(6 or 5 or 7)
- k** $8 \times 15 = (8 \times 10) + (8 \times$ $)$
(5 or 6 or 7)
- l** $9 \times$ $= (9 \times 5) + (9 \times 6)$
(30 or 11 or 9)
- m** If $7 \times 12 = 84$, then $\div 12 = 7$.
(7 or 12 or 84)

Second: Complete the following:

- a** $9 \times 3 =$
- b** $8 \times$ $= 32$
- c** $\times 6 = 42$
- d** $56 \div 7 =$

Final Revision

e $\div 3 = 5$

f $36 \div \dots = 9$

g $6 \times 3 = \dots + \dots + \dots$

h $8 \times 2 = \dots + \dots + \dots$

i $7 \times (5 \times \dots) = (\dots \times 5) \times 9$

j $6 \times 15 = (\dots \times 3) \times 5$

k $4 \times (10 + 7) = (4 \times \dots) + (4 \times 7) = \dots + \dots = \dots$

l $\times (7 + \dots) = 9 \times 13$

m If $8 \times 9 = 72$, then $72 \div 8 = \dots$, and $72 \div 9 = \dots$.

Third: Answer the following:

1 Use the **Associative Property** to find:

a $5 \times 2 \times 8 = (\dots \times \dots) \times \dots = \dots \times \dots = \dots$

b $8 \times 9 \times 1 = \dots \times (\dots \times \dots) = \dots \times \dots = \dots$

c $4 \times 5 \times 10 = \dots$

d $6 \times 8 \times 10 = \dots$

2 Use the **Distributive Property** to find:

a $8 \times 9 = (8 \times 6) + (8 \times \dots) = \dots + \dots = \dots$

b $6 \times 15 = (\dots \times 10) + (\dots \times \dots) = \dots + \dots = \dots$

c $\times \dots = (7 \times 7) + (7 \times 6) = \dots + \dots = \dots$

d $\times \dots = (5 \times \dots) + (5 \times \dots) = 30 + 40 = \dots$

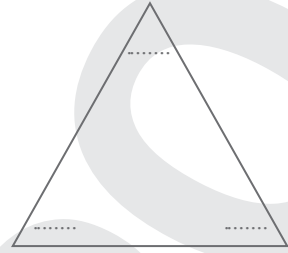
3 Use **3**, **6**, and **18** to complete the **fact family** below:

a X =

b X =

c ÷ =

d ÷ =



4 Ahmed has **three** boxes; each box has **5** bags and each bag has **4** oranges. How many oranges does Ahmed have?

.....

.....

.....

5 Ahmed planted **two** gardens. The first contains **3** rows; in each row, there are **8** orange trees, and the second has **3** rows; in each row, there are **5** orange trees. How many orange trees did Ahmed plant?

.....

.....

.....

6 Marwa has **24** sweets that she wants to distribute among **three** children equally. How many sweets will each child have?

.....

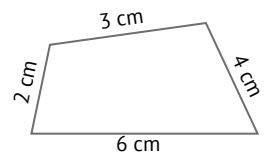
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Perimeter and Area

First: Choose the correct answer:

- a** The **perimeter** of a square with a side length of 6 cm is cm.
(36 or 12 or 24)
- b** The **perimeter** of a rectangle with a length of 8 cm and a width of 3 cm is cm.
(24 or 22 or 11)
- c** If the side length of a square is 9 cm, then its **area** is sq cm.
(81 or 18 or 36)
- d** If the dimensions of a rectangle are 5 cm and 3 cm, then the **area** of the rectangle is sq cm.
(15 or 16 or 8)
- e** If the area of a square is 49 sq cm, then its **side length** is cm.
(14 or 7 or 13)
- f** If the perimeter of a square is 24 cm, then its **side length** is cm.
(12 or 8 or 6)
- g** If the area of a rectangle is 36 sq cm and its length is 9 cm, then the **width** of the rectangle is cm.
(4 or 6 or 45)
- h** If the area of a rectangle is 42 sq cm and its width is 6 cm, then its **length** is cm.
(8 or 15 or 7)
- i** If the perimeter of a rectangle is 24 cm and its length is 8 cm, then the **width** of the rectangle is cm.
(3 or 4 or 12)
- j** The **perimeter** of the opposite figure is cm.
(15 or 7 or 9)



Second: Answer the following:

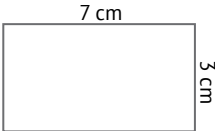
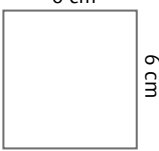
1 Complete the following table:

	Side Length	Perimeter of the Square	Area of the Square
a	6 cm	..... X = cm.	..... X = sq cm.
b	..... cm	32 cm	..... X = sq cm.
c	..... cm	..... X = cm.	25 sq cm

2 Complete the following table:

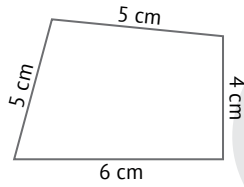
	Length	Width	Perimeter of the Rectangle	Area of the Rectangle
a	7 cm	3 cm	(..... +) X = cm.	..... X = sq cm.
b	7 cm	..... cm	22 cm	..... X = sq cm.
c	..... cm	5 cm	28 cm	..... X = sq cm.
d	..... cm	3 cm	(..... +) X = cm.	30 sq cm
e	8 cm	..... cm	(..... +) X = cm.	48 sq cm

3 Complete the following table:

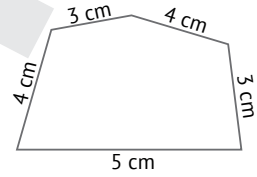
Shape	a		b	
Perimeter		..... cm.		..... cm.
Area		..... sq cm.		..... sq cm.

4 Calculate the **perimeter** of each of the following:

a Perimeter =
..... cm.



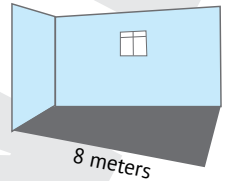
b Perimeter =
..... cm.



5 Draw a **hexagon** with a perimeter of **18 cm**. Then draw a **quadrilateral** with the **same perimeter** and show the lengths of its sides on the drawing.

Hexagon \longrightarrow Quadrilateral

6 If the floor of Nada's room is a **rectangle**, its perimeter is **28 meters**, and the length of the room is **8 meters**, what is the **width** of the room and its **area**?

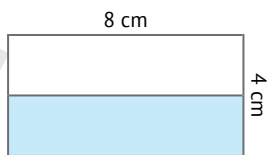


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7 Calculate the **area** of the **colored part** of each shape:

a

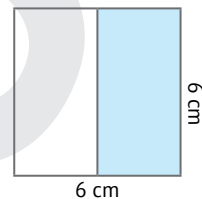


.....

.....

.....

b



.....

.....

.....

Fractions

First: Choose the correct answer:

a Three-fifths =

($\frac{3}{5}$ or $\frac{5}{3}$ or $\frac{3}{8}$)

b $\frac{3}{6}$ =

(Three-sixths or Six-thirds or Three-ninths)

c The fraction that represents the shaded parts in the opposite figure is



($\frac{4}{3}$ or $\frac{3}{4}$ or $\frac{3}{7}$)

d $\frac{1}{4}$ $\frac{1}{7}$

(< or = or >)

e $\frac{3}{7}$ $\frac{5}{7}$

(< or = or >)

f $\frac{1}{3}$ $\frac{2}{6}$

(< or = or >)

g Half an hour Half a day

(< or = or >)

h Two-thirds Two-sixths

(< or = or >)

i $\frac{1}{3}$ of 18 is

(3 or 6 or 9)

j $\frac{1}{2}$ of an hour is

(15 or 20 or 30)

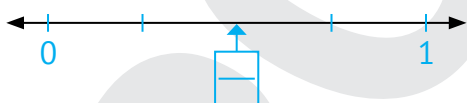
k $\frac{1}{4}$ of is $24 \div 8$.

(8 or 6 or 12)

l $1 = \frac{5}{\dots}$

(3 or 4 or 5)

m The fraction that is represented on the following number line is



($\frac{2}{3}$ or $\frac{2}{4}$ or $\frac{2}{5}$)

Second: Complete the following:

a-eighths = $\frac{3}{\dots}$

b $1 = \frac{\dots}{6}$

c $\frac{2}{5} = \frac{6}{\dots}$

d $\frac{\dots}{15} = \frac{2}{3}$

e $\frac{2}{3} = \frac{4}{\dots} = \frac{\dots}{12}$

f $\frac{18}{24} = \frac{3}{\dots} = \frac{\dots}{8}$

g $\frac{1}{5} + \frac{3}{5} = \frac{\dots}{\dots}$

h $\frac{2}{7} + \frac{\dots}{\dots} = \frac{5}{7}$

i $1 - \frac{2}{3} = \frac{\dots}{\dots}$

j $\frac{5}{8} - \frac{\dots}{\dots} = \frac{2}{8}$

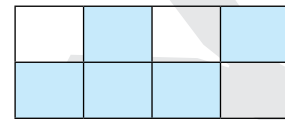
k $\frac{1}{6} + \frac{1}{6} + \frac{3}{6} = \frac{\dots}{\dots}$

l $\frac{\dots}{\dots}$ of 20 is $20 \div 4$.

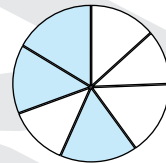
m $\frac{1}{3}$ of 24 is $24 \div \dots$.

n $\frac{1}{3} = \frac{2}{\dots} = \frac{3}{\dots} = \frac{4}{\dots}$

o The fraction that represents the colored parts is



p The fraction that represents the colored parts is



q The fraction represented on the number line is



r The fraction represented on the number line is



Third: Answer the following:

- 1 Nadia has a loaf of bread. She wants to share it with 2 of her friends. Use the opposite shape to represent this problem.



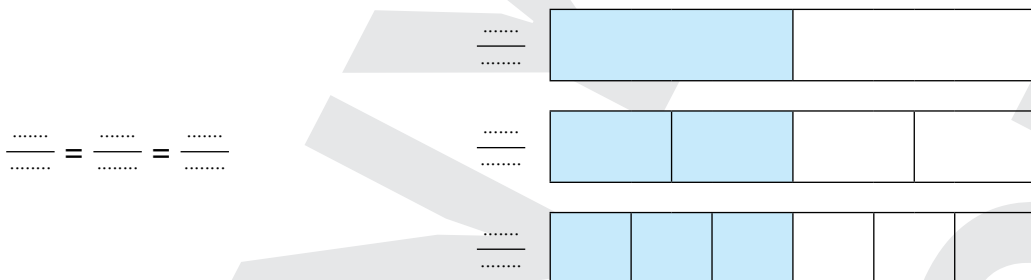
- 2 Ahmed ate $\frac{1}{2}$ of a pizza and Bassem ate $\frac{1}{5}$ of it. Who ate more?
(Draw a model to explain your answer.)

.....

- 3 Omar had $\frac{5}{6}$ of a candy bar during the break. He gave $\frac{2}{6}$ of it to his friend. How much does he have left?

.....

- 4 Use the following fraction models to complete:



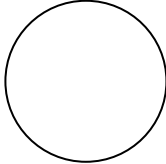
- 5 Represent the following fractions on the number lines or models, then compare using (<, =, or >):


a $\frac{1}{2}$

$\frac{1}{5}$

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


b


$\frac{1}{7}$


$\frac{1}{4}$


$\frac{1}{7}$ $\frac{1}{4}$

c

$\frac{1}{6}$


$\frac{1}{3}$


$\frac{1}{6}$ $\frac{1}{3}$

6 Arrange the following fractions in an ascending order:

a

$\frac{3}{5}$, $\frac{4}{5}$, $\frac{1}{5}$, $\frac{2}{5}$

.....,,,

b

$\frac{1}{3}$, $\frac{1}{5}$, $\frac{1}{8}$, $\frac{1}{2}$

.....,,,

c Use the following number line to arrange:

$\frac{1}{8}$, $\frac{3}{6}$, $\frac{5}{8}$, $\frac{1}{4}$

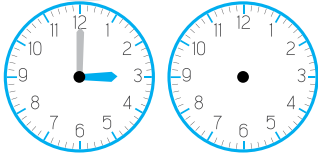


.....,,,

The Time

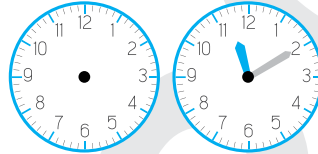
1 Draw the analog clock **hands** and write the **time** on the digital clock to show the time:

a



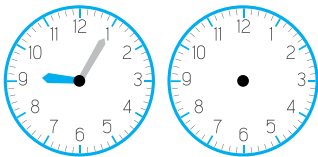
After **two** hours

b



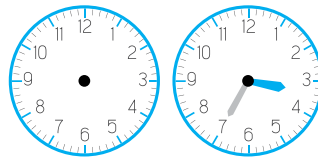
3 hours ago

c



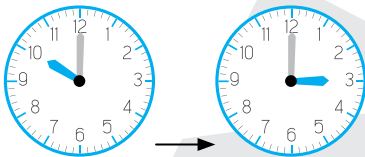
After **30** minutes

d

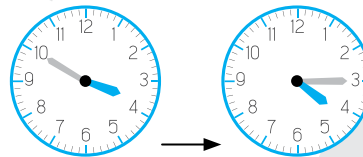


20 minutes ago

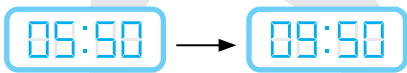
2 Calculate the **elapsed time** between each two clocks:



a Elapsed time:



b Elapsed time:



c Elapsed time:

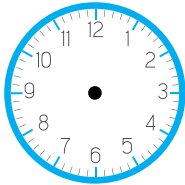


d Elapsed time:

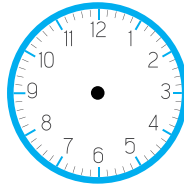
3 How much time has elapsed?

- a 7:30 a.m. → 8:00 a.m.:
- b 4:10 p.m. → 4:55 p.m.:
- c 1:30 a.m. → 2:45 a.m.:
- d 10:15 a.m. → 3:30 p.m.:

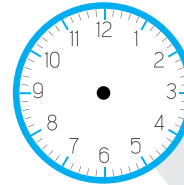
4 Ahmed wakes up at 7:00 a.m., then leaves the house and goes to work at 8:30 a.m. It takes him 20 minutes to get to work and 20 minutes from work, then he spends 6 hours at work and returns home immediately. How will the analog clocks look when he wakes up, when he leaves home, and when he returns home?



Wakes up

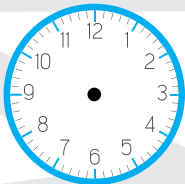


Leaves home

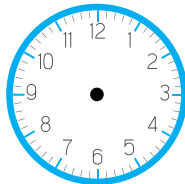


Returns home

5 Nada went to the club with her family. They got to the club at 10:00 a.m. and came back home at 1:30 p.m. How much time did they spend at the club?



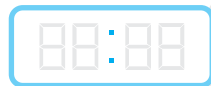
Arrival time



Coming home time

The time they spent
=

6 Heba spent 4 hours reading. She finished reading the book at 7:30 p.m. When did she start reading?



Started



Finished

Numbers up to 999,999

First: Choose the correct answer:

- a** Nine hundred fifty thousand, two hundred two =
(950,202 or 905,202 or 950,220)
- b** 70 Thousands + 20 Hundreds + 7 Tens + 6 Ones =
(702,076 or 72,076 or 70,276)
- c** $500 + 20,000 + 70 + 8,000 + 4 =$
(52,784 or 28,457 or 28,574)
- d** The **value** of the digit 7 in 57,234 is
(700 or 7,000 or 70,000)
- e** The **greatest** 5-different-digit number is
(99,999 or 10,000 or 98,765)
- f** The number that comes just **before** 70,000 is
(69,999 or 70,001 or 79,999)
- g** 700 Thousands = Hundreds. (700 or 7,000 or 700,000)
- h** 45,678 45,687 (< or = or >)
- i** $5 + 200 + 7,000$ 5,270 (< or = or >)
- j** $4,253 + 1,245$ $9,699 - 4,201$ (< or = or >)

Second: Complete the following:

- a** 70,502 (in word form):
- b** The **place value** of the digit 5 in 72,512 is the
- c** The **smallest** 5-digit number is
- d** comes just **after** 45,999.
- e** Thousands + Hundreds + Tens + Ones = 78,245

Final Revision

f $50 + 0 + 0 + 4 = \dots\dots\dots$

g The **largest** 5-digit number that can be formed from the digits 7, 2, and 3 is $\dots\dots\dots$.

h $98,253 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$.

i $63,063 = 63 + \dots\dots\dots$

j $45,234 + 2,175 = \dots\dots\dots$

k $78,245 - 2,673 = \dots\dots\dots$

l $\dots\dots\dots + 24,123 = 78,556$

m $\dots\dots\dots - 4,125 = 8,243$

Third: Answer the following:

1 Arrange the following numbers in **ascending** and **descending** orders:

45,462 , 45,364 , 45,642 , 45,436

a **Ascending** order: $\dots\dots\dots$

b **Descending** order: $\dots\dots\dots$

2 Eman has **625** pounds, and Nada has **265** pounds.

How much money do they have altogether?

They have = $\dots\dots\dots + \dots\dots\dots = \dots\dots\dots$ pounds.

3 Sara wants to buy a refrigerator, which costs **4,250** LE. She saved **2,450** LE.

How much money does she need to buy the refrigerator?

The money she needs = $\dots\dots\dots - \dots\dots\dots = \dots\dots\dots$ LE.

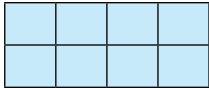
Model Exams

Model 1

1 Choose the correct answer:

- a The perimeter of a square with a side length of 6 cm is cm.
(36 or 12 or 24)
- b Three-fifths =
($\frac{3}{5}$ or $\frac{5}{3}$ or $\frac{3}{8}$)
- c $6 + 6 + 6 + 6 + 6 =$
(6×6 or $6 + 5$ or 6×5)
- d Nine hundred fifty thousand, two hundred two =
(950,202 or 905,202 or 950,220)
- e $7 \times 30 =$
($2 \times 1 \times 10$ or 21×3 or 21×10)

2 Complete the following:

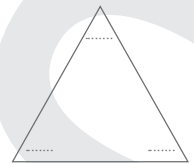
- a $\frac{18}{24} = \frac{3}{\dots} = \frac{\dots}{8}$
- b $7 \times (5 \times \dots) = (\dots \times 5) \times 9$
- c The **place value** of the digit 5 in 72,512 is the
- d The **perimeter** of the opposite figure is units. 
- e The **elapsed time** from 7:00 a.m. to 9:15 a.m. is

3 Answer the following:

- a Use 3, 6, and 18 to complete the **fact family** below:

1 \times = 3 \div =

2 \times = 4 \div =



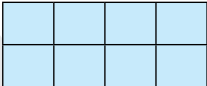
- b Mona has 3 books, and each book has 50 pages. How many pages are there in the three books?
Number of pages =

Model 2

1 Choose the correct answer:

- a $\frac{3}{6} = \dots\dots\dots$ (Three-sixths **or** Six-thirds **or** Three-ninths)
- b $9 \times 4 = 30 + \dots\dots\dots$ (6 **or** 36 **or** 9)
- c The perimeter of a rectangle with an 8 cm length and 3 cm width is
 $\dots\dots\dots$ cm. (24 **or** 22 **or** 11)
- d $7 \times 4 \times 3 = \dots\dots\dots$ ($7 \times (4 + 3)$ **or** $(7 + 4) \times 3$ **or** 7×12)
- e The **largest** 5-digit number is $\dots\dots\dots$. (10,000 **or** 98,765 **or** 99,999)

2 Complete the following:

- a $\frac{\dots\dots}{15} = \frac{2}{3}$
- b $8 \times 2 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- c The **area** of the opposite figure is $\dots\dots\dots$ square units. 
- d The **place value** of the digit 5 in 24,523 is the $\dots\dots\dots$.
- e $6 \times (3 + 7) = (6 \times \dots\dots\dots) + (6 \times \dots\dots\dots) = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots$

3 Answer the following:

- a Omar brought $\frac{5}{6}$ of a candy bar to the break. He gave $\frac{2}{6}$ of it to a friend. How much candy does he have left?
- $\dots\dots\dots$

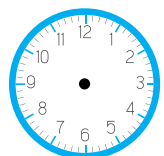
- b Arrange the following numbers in a **descending** order:

45,230 , 45,302 , 45,023 , 45,203

$\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$

- c Draw the **hands** of the analog clock according to the time shown on the digital clock.

02:46



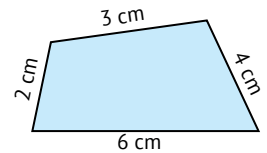
Model 3

1 Choose the correct answer:

- a $8 \times 2 =$ (4×4 or $8 + 2$ or 4×6)
- b $\frac{1}{3}$ $\frac{2}{6}$ ($<$ or $=$ or $>$)
- c The side length of a square is 9 cm, then its area is sq cm. (81 or 18 or 36)
- d The number that comes just after 56,099 is (56,199 or 56,100 or 57,000)
- e $6 \times 5 \times 4 =$ (20×30 or 6×9 or 30×4)

2 Complete the following:

- a The largest number that can be formed from 2, 7, 6, 4, and 3 is
- b $\times (7 + \dots)$ = 9×13
- c $\frac{1}{3}$ of 24 is $24 \div$
- d The perimeter of the opposite figure is cm.
- e $7,562 + 456 =$



3 Answer the following:

- a Use the fraction models to complete:

..... = =

.....
.....
.....

- b Calculate the elapsed time between the two clocks.

Elapsed time:



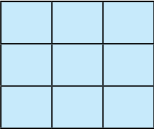
- c Ahmed has three boxes; each box has 5 bags, and each bag has 4 oranges. How many oranges does Ahmed have?
-

Model 4

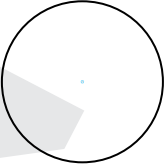
1 Choose the correct answer:

- a The dimensions of a rectangle are 5 cm and 3 cm, then the area of this rectangle is sq cm. (15 or 16 or 8)
- b Half an hour Half a day (< or = or >)
- c If $7 \times 12 = 84$, then $\div 12 = 7$. (7 or 12 or 84)
- d $400 + 0 + 0 + 5 =$ (40,005 or 405 or 45)
- e $9 \times 15 =$ ($9 \times (10 \times 5)$ or $9 + (10 + 5)$ or $9 \times 3 \times 5$)

2 Complete the following:

- a $\frac{1}{3} = \frac{2}{\dots} = \frac{3}{\dots} = \frac{4}{\dots}$
- b $6 \times 15 = (\dots \times 3) \times 5$
- c The area of the opposite figure is square units. 
- d 566 thousands + 15 =
- e $4 \times 7 = \dots + \dots + \dots + \dots$

3 Answer the following:

- a Nadia has a loaf of bread. She wants to share it with 2 of her friends. Use the opposite shape to represent this problem. 

- b Arrange the following fractions in a descending order:

$$\frac{2}{6}, \frac{2}{9}, \frac{2}{3}, \frac{2}{5}$$

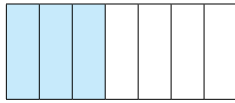
.....,,

- c Find the result:

$\begin{array}{r} \text{1} \quad 4,521 \\ + \quad 269 \\ \hline \end{array}$	$\begin{array}{r} \text{2} \quad 7,549 \\ - \quad 727 \\ \hline \end{array}$	$\begin{array}{r} \text{3} \quad 8 \\ \times \quad 6 \\ \hline \end{array}$	$\begin{array}{r} \text{4} \quad \dots \\ 7 \overline{) 28} \\ \hline \end{array}$
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Model 5

1 Choose the correct answer:

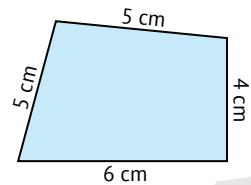
- a $8 \times 15 = (8 \times 10) + (8 \times \dots)$ (5 or 6 or 7)
- b The fraction that represents the shaded parts is  ($\frac{4}{3}$ or $\frac{3}{4}$ or $\frac{3}{7}$)
- c If the perimeter of a square is 24 cm, then the side length of this square is cm. (12 or 8 or 6)
- d $4 \times 9 = \dots \times 6$ (4 or 9 or 6)
- e 400 Thousands = Tens. (400 or 4,000 or 40,000)

2 Complete the following:

- a $\frac{\dots}{15} = \frac{2}{3}$
- b $8 \times \dots = 32$
- c The place value of the digit 6 in 23,456 is
- d comes just after 75,099.
- e $9 \times (3 \times \dots) = (\dots \times 3) \times 10 = \dots \times \dots = \dots$

3 Answer the following:

- a Calculate the perimeter of the opposite shape.
Perimeter = cm.



- b Manal spent 3 hours studying. If she started studying at 6:30, when did she finish studying?



Started



Finished

- c Ahmed planted two gardens. The first contains 3 rows; in each row, there are 8 orange trees, and the second has 3 rows; in each row, there are 5 orange trees. How many orange trees did Ahmed plant?

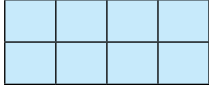
.....
.....

Model 6

1 Choose the correct answer:

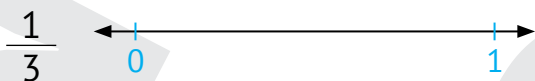
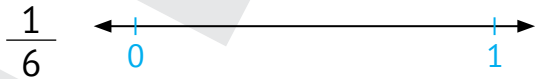
- a The area of a rectangle is 36 sq cm and its length is 9 cm, then the width of this rectangle is cm. (4 or 6 or 45)
- b Two-thirds Two-sixths (< or = or >)
- c = 4 X 6 (16 or 24 or 32)
- d Nine hundred thousand and nine = (9,009 or 900,009 or 900,090)
- e $8 \times 6 = 4 \times \dots \times 6$ (2 or 4 or 6)

2 Complete the following:

- a The perimeter of the opposite figure is units. 
- b $\frac{2}{3} = \frac{4}{\dots} = \frac{\dots}{12}$
- c The smallest number that can be formed from 3, 5, 2, 7, and 0 is
- d $9 \times 15 = (9 \times \dots) + (9 \times 5) = \dots + \dots = \dots$
- e $6 \times 3 = \dots + \dots + \dots$

3 Answer the following:

- a Represent each of the following fractions on the number lines, then compare using (<, =, or >):

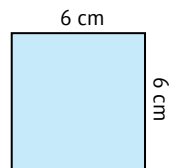


$\frac{1}{6}$ $\frac{1}{3}$

- b Ahmed had 1,120 LE. He bought a shirt for 450 LE. Find the remaining money with Ahmed.
Remainder = - = LE.

- c Find the area and perimeter of the opposite shape.

Area =
Perimeter =



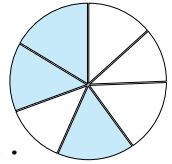
Model 7

1 Choose the correct answer:

- a $42 \div 7 = \dots\dots\dots$ (8 or 7 or 6)
- b $\frac{1}{4}$ of $\dots\dots\dots$ is $24 \div 8$. (8 or 6 or 12)
- c 50 Hundreds + 20 Thousands + 2 Tens = $\dots\dots\dots$.
(20,502 or 20,052 or 25,020)
- d $8 \times 30 = \dots\dots\dots \times 10$ (8 or 24 or 240)
- e If the area of a rectangle is 36 sq cm and its length is 9 cm, then the width of the rectangle is $\dots\dots\dots$ cm. (4 or 6 or 45)

2 Complete the following:

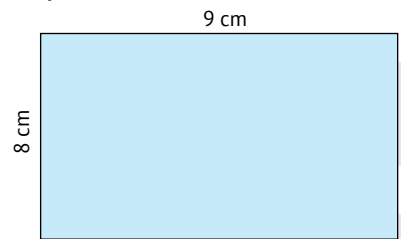
- a The place value of the digit 3 in 52,301 is $\dots\dots\dots$.
- b $\dots\dots\dots + \frac{3}{6} = \frac{4}{6}$
- c $\frac{3}{4} = \frac{9}{\dots\dots}$
- d $\dots\dots\dots \times (8 + \dots\dots\dots) = 9 \times 13$
- e The fraction that represents the colored parts is $\dots\dots\dots$.



3 Answer the following:

- a Find the perimeter and area of the opposite shape.

- 1 Perimeter = $\dots\dots\dots$
= $\dots\dots\dots$ cm.
- 2 Area = $\dots\dots\dots$
= $\dots\dots\dots$ sq cm.



- b Calculate the elapsed time between the two clocks:

Elapsed time = $\dots\dots\dots$. 03:40 → 04:00


- c Marwa has 24 sweets that she wants to distribute equally among three children. How many sweets will each child get?
- $\dots\dots\dots$
- $\dots\dots\dots$

Model 8

1 Choose the correct answer:

- a $20,000 + 5 + 300 = \dots\dots\dots$ (20,305 or 20,530 or 25,300)
- b $5 \times \dots\dots\dots = 35$ (8 or 7 or 6)
- c $9 \times \dots\dots\dots = (9 \times 5) + (9 \times 6)$ (30 or 11 or 9)
- d There are $\dots\dots\dots$ fifths in one whole. (10 or 1 or 5)
- e $\frac{3}{7} \square \frac{5}{7}$ (< or = or >)

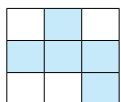
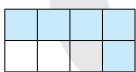
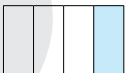
2 Complete the following:

- a The fraction represented on the opposite number line is $\dots\dots\dots$. 
- b If $8 \times 9 = 72$, then $72 \div 8 = \dots\dots\dots$, and $72 \div 9 = \dots\dots\dots$.
- c The value of the digit 0 in 70,235 is $\dots\dots\dots$.
- d $8 \times 5 \times 2 = (8 \times \dots\dots\dots) \times 2 = \dots\dots\dots \times 2 = \dots\dots\dots$
- e If the area of a rectangle is 42 sq cm and its width is 6 cm, then its length is $\dots\dots\dots$ cm.

3 Answer the following:

- a If the floor of Nada's room is a rectangle, its perimeter is 28 meters, and the length of the room is 8 meters, what is the width of the room and its area?
 $\dots\dots\dots$
 $\dots\dots\dots$

- b Write the fraction that represents the colored parts:

1  2  3 

- c Arrange the following fractions in an ascending order. Use the number line:

$\frac{1}{8}$, $\frac{3}{6}$, $\frac{5}{8}$, $\frac{1}{4}$ 

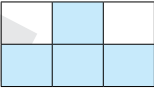
$\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$

Model 9

1 Choose the correct answer:

- a $\frac{1}{2}$ of an hour is (15 or 20 or 30)
 b $7,000 + 25 =$ (725 or 7,250 or 7,025)
 c $7 \times 30 =$ $\times 10$ (21 or 10 or 7)
 d The **value** of the digit 0 in 20,456 is (0 or 10 or 1,000)
 e 90 Thousands = Tens. (90 or 900 or 9,000)

2 Complete the following:

- a The fraction that represents the colored parts is 
- b $36 \div$ $= 9$ c $\frac{1}{3} = \frac{2}{\dots} = \frac{3}{\dots}$
- d If the perimeter of a rectangle is 24 cm and its length is 8 cm, then the width of the rectangle is cm.
- e The number that comes just after 25,999 is

3 Answer the following:

- a Calculate the area of the colored part of the following shape. 
-
-

b Compare using (<, =, or >):

- 1 705,203 75,320 2 $6 + 200 + 700,000$ 620,700
 3 $\frac{7}{9} - \frac{2}{9}$ $\frac{3}{5} + \frac{2}{5}$ 4 $\frac{1}{2}$ of 8 $\frac{1}{3}$ of 12

- c Hisham has a 12-meter-long piece of cloth that he wants to divide into 4 parts. What is the length of each part? And what is the equivalent fraction of one part?
-
-

Model 10

1 Choose the correct answer:

a $\frac{1}{4}$ $\frac{1}{7}$ ($<$ or $=$ or $>$)

b The **place value** of the digit 5 in 42,514 is the

(Thousands or Hundreds or Ten Thousands)

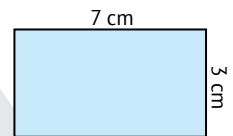
c $6 \times (\dots \times 7) = (6 \times 5) \times 7$ (6 or 5 or 7)

d 50 Thousands + 200 Hundreds = (50,200 or 52,000 or 70,000)

e $45 \times 10 = 5 \times \dots$ (10 or 90 or 9)

2 Complete the following:

a The **perimeter** of the opposite shape is cm.



b $50,000 + 20 + 7,000 + 500 + 3 = \dots$

c $4 \times (10 + 7) = (4 \times \dots) + (4 \times 7) = \dots + \dots = \dots$

d $1 = \frac{5}{\dots}$

e $\frac{2}{\dots} = \frac{14}{35}$

3 Answer the following:

a Find the result:

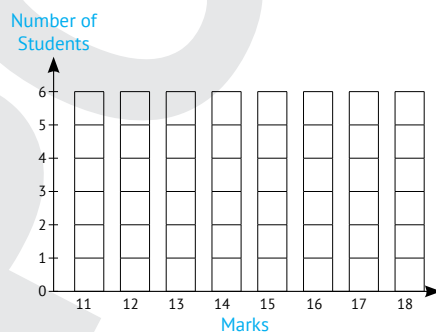
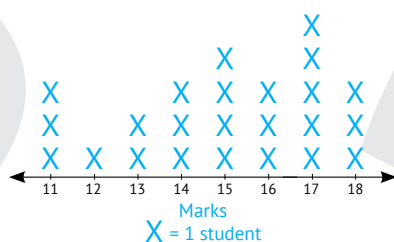
1 $75,234 + 4,866 = \dots$

2 $\frac{3}{5} - \frac{1}{5} = \dots$

3 $48 \div 6 = \dots$

4 $8 \times 20 = \dots$

b Use the following **line plot graph** to complete the **bar graph**:



Guide Answers

Final revision

Assessment on Chapter 7

First:

- 1 5×4 2 3×8 3 10
4 8 5 8

Second:

- 1 $(2 \times 5) \times 8 = 10 \times 8 = 80$
2 $7 \times (3 + 10) = (7 \times 3) + (7 \times 10)$
 $= 21 + 70 = 91$
3 4
4 (Length + Width) \times 2
5 $8 \times (3 \times 6) = (8 \times 3) \times 6$

Third:

- 1 \times 2 \checkmark 3 \times
4 \times 5 \checkmark

Fourth:

- 1 \rightarrow d 2 \rightarrow a 3 \rightarrow b
4 \rightarrow e 5 \rightarrow c

Fifth:

- 1 a 36 and 48 or 35 and 49 , 42
b 9×10 , 108
c $2 \times 10 = 20$, $2 \times 12 = 24$
2 $4 \times 5 = 20$, $5 \times 4 = 20$,
 $20 \div 4 = 5$, $20 \div 5 = 4$
3 a Side length = $32 \div 4 = 8$ cm
b Length + Width = $28 \div 2 = 14$
Width = $14 - 8 = 6$ cm
4 $(5 \times 4) \times 6 = 20 \times 6 = 120$ books

Assessment on Chapter 8

First:

- 1 $\frac{5}{7}$ 2 $>$ 3 $\frac{2}{5}$
4 $<$ 5 6

Second:

- 1 $\frac{5}{9}$ 2 4 3 3
4 15 5 8

Third:

- 1 a $\frac{1}{8} < \frac{1}{4}$ b $\frac{1}{3} > \frac{1}{6}$

- 2 a  b 

- 3

$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
---------------	---------------	---------------	---------------

- 4 $\frac{1}{8}$, $\frac{1}{5}$, $\frac{1}{4}$, $\frac{1}{3}$

Assessment on Chapter 9

First:

- 1 $>$ 2 $\frac{1}{5}$ 3 $\frac{3}{8}$
4 $\frac{3}{7}$ 5 $\frac{1}{2}$

Second:

- 1 $\frac{7}{8}$ 2 $\frac{2}{9}$ 3 $\frac{6}{9}$
4 $\frac{2}{5}$ 5 $\frac{4}{7}$

Third:

- 1 1 , $\frac{2}{3}$, $\frac{2}{5}$, $\frac{2}{4}$

- 2 $\frac{4}{10} + \frac{3}{10} = \frac{7}{10}$

Assessment on Chapter 10

First:

- 1 12 2 6 3 2, 8
4 3 5 8

Second:

- 1 $\frac{6}{8}$ 2 $\frac{2}{6}$ 3 $\frac{2}{4}$
4 $\frac{2}{8}$

Third:

$$\frac{1}{2} = \frac{2}{4} = \frac{4}{8}$$

Fourth:

- 1 $5 \times 7 = 35$ 2 $35 \div 7 = 5$
3 $7 \times 5 = 35$ 4 $35 \div 5 = 7$

Fifth:

- 1 $28 \div 7 = 4$ children
2 a 6 b 6

Assessment on Chapter 11

First:

- 1 $4 + 4 + 4$ 2 60 3 81
4 32 5 6

Second:

- 1 8 2 6
3 Length X Width
4 $8 \times 5 \times 10 = 40 \times 10 = 400$
5 $3 \times (4 + 5) = (3 \times 4) + (3 \times 5)$

Third:

- 1 $3 \times 4 = 12$ 2 $4 \times 3 = 12$
3 $12 \div 3 = 4$ 4 $12 \div 4 = 3$

Fourth:

- 1 Perimeter = $3 \times 4 = 12$ cm ,
 Area = $3 \times 3 = 9$ sq cm
2 Perimeter = $(7 + 6) \times 2 = 26$ cm ,
 Area = $7 \times 6 = 42$ sq cm

Fifth:

- 1 $\times 3 = 18$, $18 \div 3 = 6$ pounds
2 Length = $24 \div 3 = 8$ cm ,
 $P = (8 + 3) \times 2 = 22$ cm

Assessment on Chapter 12

First:

- 1 102,345 2 40,000 3 >
4 45

Second:

- 1 Hundreds 2 820,065 3 800
4 7:45

Third:

$$\frac{1}{6}, \frac{1}{3}, \frac{1}{2}, \frac{3}{4}$$

Fourth:

- 1 Perimeter = $(9 + 4) \times 2 = 26$ cm
2 Area = $9 \times 4 = 36$ sq cm

Fifth:

Started : 7:30 , Finished : 10:30

General Exercises

Multiplication and Division

First:

- a 6×5 b 2×10 c 4×4
d 6 e 7 f 8
g 8 h 24 i 21
j 5 k 5 l 11
m 84

Second:

- a 27 b 4 c 7
d 8 e 15 f 4
g $6 + 6 + 6$ h $4 + 4 + 4 + 4$ i $9, 7$
j 6 k $10, 40 + 28 = 68$
l $9, 6$ m $9, 8$

Third:

- a $(5 \times 2) \times 8 = 10 \times 8 = 80$

b $8 \times (9 \times 1) = 8 \times 9 = 72$

c $(4 \times 5) \times 10 = 20 \times 10 = 200$

d $(6 \times 8) \times 10 = 48 \times 10 = 480$
- a $3, 48 + 24 = 72$

b $6, 6 \times 5, 60 + 30 = 90$

c $7 \times 13, 49 + 42 = 91$

d $5 \times 14, 6, 8, 70$
- a $3 \times 6 = 18$ b $6 \times 3 = 18$

c $18 \div 3 = 6$ d $18 \div 6 = 3$
- $3 \times 5 \times 4 = 3 \times (5 \times 4) = 3 \times 20 = 60$ oranges
- $(3 \times 8) + (3 \times 5) = 24 + 15 = 39$ orange trees
- $24 \div 3 = 8$ sweets

Perimeter and Area

First:

- a 24 b 22 c 81 d 15
 e 7 f 6 g 4 h 7
 i 4 j 15

Second:

1

	Side Length	Perimeter of the Square	Area of the Square
a	6 cm	$6 \times 4 = 24$ cm	$6 \times 6 = 36$ sq cm
b	8 cm	32 cm	$8 \times 8 = 64$ sq cm
c	5 cm	$5 \times 4 = 20$ cm	25 sq cm

2

	Length	Width	Perimeter of the Rectangle	Area of the Rectangle
a	7 cm	3 cm	$(7 + 3) \times 2 = 20$ cm	$7 \times 3 = 21$ sq cm
b	7 cm	4 cm	22 cm	$7 \times 4 = 28$ sq cm
c	9 cm	5 cm	28 cm	$9 \times 5 = 45$ sq cm
d	10 cm	3 cm	$(10 + 3) \times 2 = 26$ cm	30 sq cm
e	8 cm	6 cm	$(8 + 6) \times 2 = 28$ cm	48 sq cm

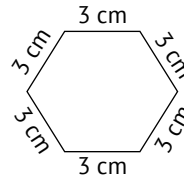
3

Perimeter	20 cm	24 cm
Area	21 sq cm	36 sq cm

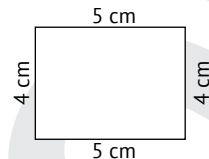
4

- a Perimeter = $6 + 5 + 5 + 4 = 20$ cm
- b Perimeter = $5 + 4 + 3 + 4 + 3 = 19$ cm

5

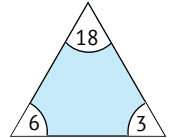


Hexagon



Quadrilateral

- 6 Width = $(28 \div 2) - 8 = 14 - 8 = 6$ meters.
 Area = $8 \times 6 = 48$ sq cm.
- 7 a Width = $4 \div 2 = 2$ cm.
 Area = $8 \times 2 = 16$ sq cm.
- b Width = $6 \div 2 = 3$ cm.
 Area = $6 \times 3 = 18$ sq cm.



Fractions

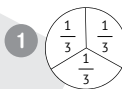
First:

- a $\frac{3}{5}$ b Three-sixths c $\frac{3}{7}$ d $>$
 e $<$ f = g $<$ h $>$ i 6
 j 30 k 12 l 5 m $\frac{2}{4}$

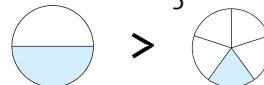
Second:

- a 3, 8 b 6 c 15 d 10
 e 6, 8 f 4, 6 g $\frac{4}{5}$ h $\frac{3}{7}$
 i $\frac{1}{3}$ j $\frac{3}{8}$ k $\frac{5}{6}$ l $\frac{1}{4}$
 m 3 n 6, 9, 12 o $\frac{5}{8}$ p $\frac{4}{3}$
 q $\frac{3}{5}$ r $\frac{7}{10}$

Third:

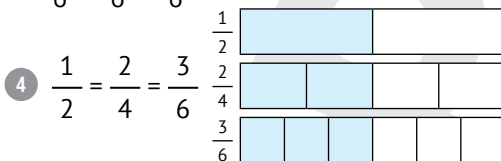


- 2 $\frac{1}{2}$ of the pizza $>$ $\frac{1}{5}$ of the pizza

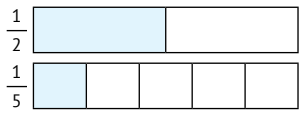


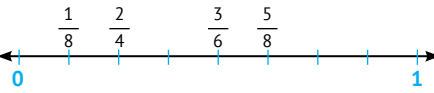


Ahmed ate the most.

- 3 $\frac{5}{6} - \frac{2}{6} = \frac{3}{6}$ of the candy bar



Guide Answers


- 5 a $\frac{1}{2} > \frac{1}{5}$
- 
- b $\frac{1}{7} < \frac{1}{4}$
- 
- c $\frac{1}{6} < \frac{1}{3}$
- 
- 6 a $\frac{1}{5}, \frac{2}{5}, \frac{3}{5}, \frac{4}{5}$
- b $\frac{1}{8}, \frac{1}{5}, \frac{1}{3}, \frac{1}{2}$
- c $\frac{1}{8}, \frac{2}{4}, \frac{3}{6}, \frac{5}{8}$
- 
- $\frac{1}{8}, \frac{1}{4}, \frac{3}{6}, \frac{5}{8}$

The Time

- 1 a
- 
- After two hours.
- b
- 
- 3 hours ago.
- c
- 
- After 30 minutes.
- d
- 
- 20 minutes ago.

- 2 a 5 hours b 25 minutes
c 4 hours d 30 minutes
- 3 a 30 minutes b 45 minutes
c 1 hour and 15 minutes
d 5 hours and 15 minutes

4



Wakes up Leaves home Returns home

5



Elapsed time:
3 hours and
30 minutes

6



Started Finished

Numbers up to 999,999

First:

- a 950,202 b 72,076 c 28,574 d 7,000
e 98,765 f 69,999 g 7,000 h <
i > j =

Second:

- a Seventy thousand, five hundred and two
b Hundreds c 10,000 d 46,000
e 78, 2, 4, 5 f 54 g 77 732
h $90,000 + 8,000 + 200 + 50 + 3$ i 63,000
j 47,409 k 75,572 l 54,433 m 12,368

Third:

- 1 a Ascending order:
45,364, 45,436, 45,462, 45,642
b Descending order:
45,642, 45,462, 45,436, 45,364
- 2 They have = $625 + 265 = 890$ pounds
- 3 The money that she needs =
 $4,250 - 2,450 = 1,800$ LE

Models

Model 1

- 1 **a** 24 **b** $\frac{3}{5}$ **c** 6×5
d 950,202 **e** 21×10
- 2 **a** 4, 6 **b** 9, 7
c Hundreds **d** 12
e 2 hours and 15 minutes.
- 3 **a** **1** $3 \times 6 = 18$ **2** $6 \times 3 = 18$
3 $18 \div 3 = 6$ **4** $18 \div 6 = 3$
b The number of pages = $3 \times 50 = 150$ pages.

Model 2


- 1 **a** Three-sixths **b** 6 **c** 22
d 7×12 **e** 99,999
- 2 **a** 10 **b** $4 + 4 + 4 + 4$ **c** 8
d Hundreds **e** $3, 7, 18 + 42 = 60$
- 3 **a** He has $= \frac{5}{6} - \frac{2}{6} = \frac{3}{6}$ of the candy bar.
b 45,302, 45,230, 45,203, 45,023




Model 3

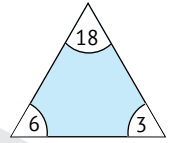
- 1 **a** 4×4 **b** = **c** 81
d 56,100 **e** 30×4
- 2 **a** 76,432 **b** 9, 6 **c** 3
d 15 **e** 8,018
- 3 **a** $\frac{1}{2} = \frac{2}{4} = \frac{3}{6}$
- | | | |
|---------------|---|---|
| $\frac{1}{2}$ | □ | □ |
| $\frac{2}{4}$ | □ | □ |
| $\frac{3}{6}$ | □ | □ |
- b** 1 hour and 15 minutes.
c $3 \times 5 \times 4 = 3 \times (5 \times 4) = 3 \times 20 = 60$ oranges.

Model 4


- 1 **a** 15 **b** < **c** 84
d 405 **e** $9 \times 3 \times 5$
- 2 **a** 6, 9, 12 **b** 6
c 9 sq units **d** 566,015
e $7 + 7 + 7 + 7$
- 3 **a**  **b** $\frac{2}{3}, \frac{2}{5}, \frac{2}{6}, \frac{2}{9}$
c 4,790, 6,822, 48, 4

Model 5

- 1 **a** 5 **b** $\frac{3}{7}$
d 6 **e** 40,000
- 2 **a** 10 **b** 4 **c** Ones
d 75,100 **e** $10, 9, 27 \times 10 = 270$
- 3 **a** $6 + 5 + 5 + 4 = 20$ cm
b 
c $(3 \times 8) + (3 \times 5) = 24 + 15 = 39$ orange trees.



Model 6

- 1 **a** 4 **b** > **c** 24
d 900,009 **e** 2
- 2 **a** 12 units **b** 6, 8 **c** 20,357
d $10, 90 + 45 = 135$ **e** $6 + 6 + 6$
- 3 **a** 
b $1\ 120 - 450 = 670$ LE.
c Area = $6 \times 6 = 36$ sq cm.
 Perimeter = $6 \times 4 = 24$ cm.

Model 7

- 1 **a** 6 **b** 12 **c** 25,020
d 24 **e** 4
- 2 **a** Hundreds **b** $\frac{1}{6}$ **c** 12
d 9, 5 **e** $\frac{3}{7}$
- 3 **a** **1** Perimeter = $(9 + 8) \times 2 = 34$ cm

Guide Answers

2 Area = $9 \times 8 = 72$ sq cm

b 30 minutes

c $24 \div 3 = 8$ sweets

Model 8

1 a 20,305 b 7 c 11

d 5 e <

2 a $\frac{2}{3}$ b 9, 8 c 0

d 5, 40, 80 e 7

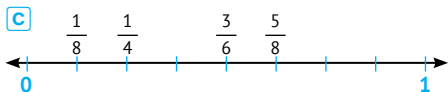
3 a Width = $(28 \div 2) - 8 = 6$ cm.

Area = $8 \times 6 = 48$ sq. cm

b 1 $\frac{5}{9}$

2 $\frac{5}{8}$

3 $\frac{1}{4}$



$\frac{1}{8}, \frac{1}{4}, \frac{3}{6}, \frac{5}{8}$

Model 9

1 a 30 b 7,025 c 21

d 0 e 9,000

2 a $\frac{4}{6}$ b 4 c 6, 9

d 4 e 26,000

3 a Width = $6 \div 2 = 3$ cm

The area of the colored part = $8 \times 3 = 24$ sq cm.

b 1 > 2 > 3 < 4 =

c The length of each part = $12 \div 4 = 3$ m.

The equivalent fraction = $\frac{3}{12} = \frac{1}{4}$

Model 10

1 a > b Hundreds c 5

d 70,000 e 90

2 a $(7 + 3) \times 2 = 20$ cm b 57,523

c 10, $40 + 28 = 68$ d 5

e 5

3 a 1 80,100 2 $\frac{2}{5}$ 3 8 4 160

b

