St. Joseph's school

Third primary
First term

contents

1) **Complete:**

a) 643

+ 274

....

b) 996

− 184

....

c) 670

−545

....

d) 452 + 230 + 211 = ...

e) 934 + 203 − 112= ....

f) 5 × 6 = ...

g) 0 × 8 = ...

h) 3 × 4 = ...

2) **Arrange in a descending order :**

940   , 9 tens ,   4 + 2 hundreds ,   2 × 6

.... , ... , ... , ...

3) **Circle the fraction which expresses the colored part:**
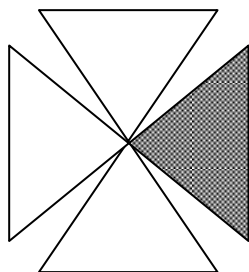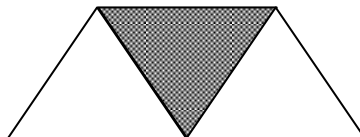
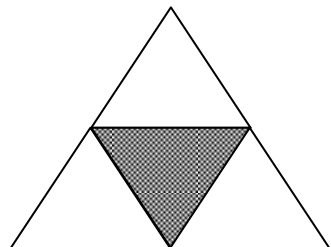| (a)	(b)	(c)
$(\frac{1}{2}, \frac{1}{3}, \frac{1}{4})$	$(\frac{1}{3}, \frac{1}{2}, \frac{1}{4})$	$(\frac{1}{5}, \frac{1}{3}, \frac{1}{4})$

4) Complete:

a) 8 × 3 = ……

b) ….. × 9 = 36

c) The smallest 2-digit number is ……

d) The smallest 3-digit number is ……

e) The greatest 3-digit number is ……

f) The greatest 3-different digit number is ……

g) The greatest number formed from 6 , 3 , 8 is ……

h) The smallest number formed from 5 , 0 , 1is ……

i) 311 is read as ……………………………………………….

j) 480 in letters is………………………………………………..

k) Seven hundred and forty five is written as ……………

l) Nine hundred and nine in digits is ……………

5) Complete in the same pattern :

a) 158 , 168 , 178 , …… , ………

b) …….. , 237 , 248 , ………

c) 125 , 325 , 525 , …… , ………

6) Complete:

a) The place value of the digit 8 in 863 is …….

b) The value of 6 in 863 is ……..

c) The number just after 399 is ……

d) 700 = …… hundreds

Unit one

Multiplication and Division
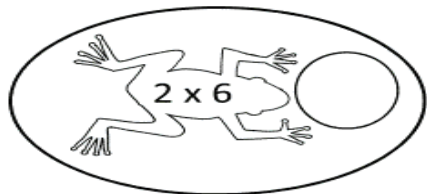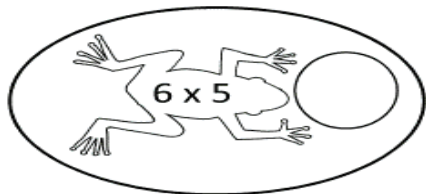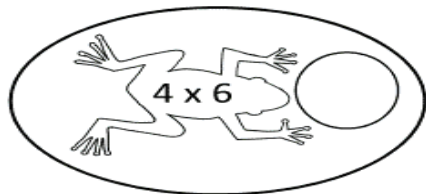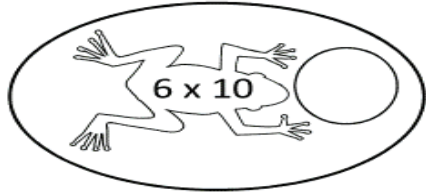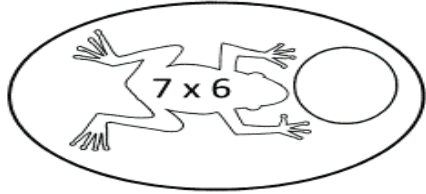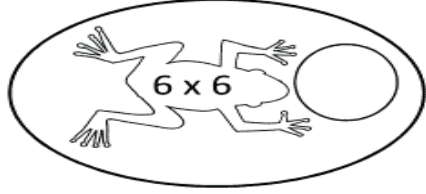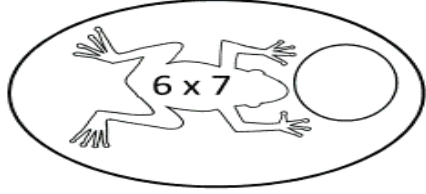
Lesson.1➢ Multiplication table (6, 7, 8, 9)
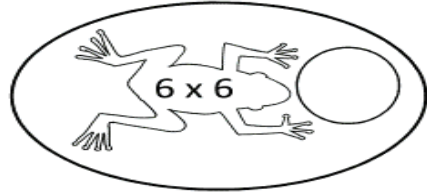
Lesson.2➢ Division

Table 6 , 7 , 8 and 9
The six times table

$6 \times 0 = 0$	$0 \times 6 = ...$
$6 \times 1 = 6$	$1 \times 6 = ...$
$6 \times 2 = 12$	$2 \times 6 = ...$
$6 \times 3 = 18$	$3 \times 6 = ...$
$6 \times 4 = 24$	$4 \times 6 = ...$
$6 \times 5 = 30$	$5 \times 6 = ...$
$6 \times 6 = 36$	$6 \times 6 = ...$
$6 \times 7 = 42$	$7 \times 6 = ...$
$6 \times 8 = 48$	$8 \times 6 = ...$
$6 \times 9 = 54$	$9 \times 6 = ...$
$6 \times 10 = 60$	$10 \times 6 = ...$

Complete:

6 , 12 , 18 , ... , ... , ... , ... , ... , ... , 60

6 , 12 , ... , ... , ... , ... , ... , ... , ... , ...

6 , ... , ... , ... , ... , ... , ... , ... , ... , ...

2 x 6

6 x 5

4 x 6

6 x 6

6 x 10

7 x 6

9 x 6

6 x 8

1 x 6

10 x 6

6 x 6

6 x 7

Complete the missing digit:-

a) 6 × ……… = 24

b) 6 × ……… = 42

c) ……… × 6 = 30

d) ……… × 6 = 6

e) ……… × 2 = 12

f) ……… × 6 = 60

g) 6 × ……… = 6

h) 6 × 8 = ………

i) 3 × 6 = ………

j) ……… × ……… = 42

k) 6 × ……… = 0

l) 6 × ……… = 54

m) ……… × 6 = 36

n) ……… × 6 = 48
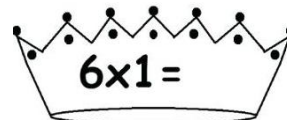
Complete:

a) $3 \times 6 = 2 \times ……… = ………$

b) $6 \times …… < 5$
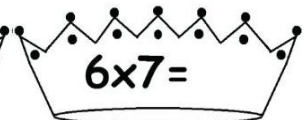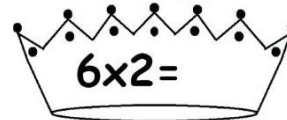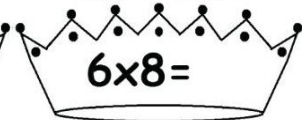
c) $6 \times …… = 6 + 0$
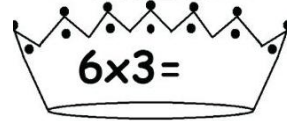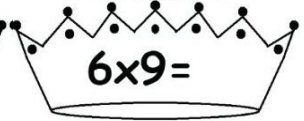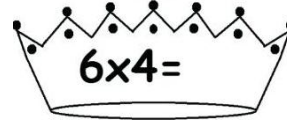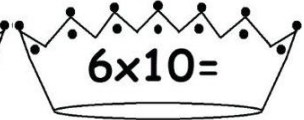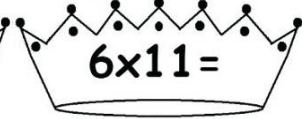
Put the suitable sign(<, > or =):

a) 5×6 …… 7×6

b) 6+6+6+6 …… 6×4

c) 6 - 0 …… 6×0

Find:

6x1 =

6x7 =

6x2 =

6x8 =

6x3 =

6x9 =

6x4 =

6x10 =

6x5 =

6x11 =

6x6 =

The seven times table

7 × 0 = ….	0 × 7 = ….
7 × 1 = ….	1 × 7 = ….
7 × 2 = ….	2 × 7 = ….
7 × 3 = ….	3 × 7 = ….
7 × 4 = ….	4 × 7 = ….
7 × 5 = ….	5 × 7 = ….
7 × 6 = ….	6 × 7 = ….
7 × 7 = ….	7 × 7 = ….
7 × 8 = ….	8 × 7 = ….
7 × 9 = ….	9 × 7 = ….
7×10 = ….	10×7 = ….
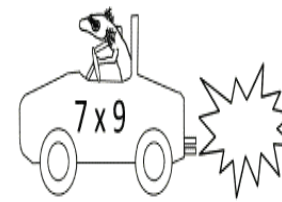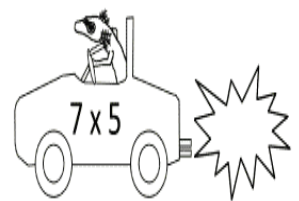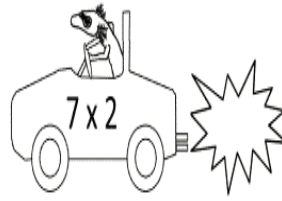
1) **Put the suitable sign(<, > or =):**

 a) 5 × 7   ……   7 × 6

 b) 6+6+6+6   ……   7 × 4

 c) 7 + 0   ……   7 × 0

2) Hani bought 7 bags of oranges if each bag contains 6

oranges. How many oranges did Hani buy?

The number of oranges = …………………. = ………… oranges

Using the seven times table to find:

1) 5 x 7   = ____
2) 7 x 2   = ____
3) 7 x 7   = ____
4) 0 x 7   = ____
5) 3 x 7   = ____
6) 7 x 9   = ____
7) 7 x 4   = ____
8) 8 x 7   = ____
9) 6 x 7   = ____
10) 7 x 10   = ____
11) 4 x 7   = ____
12) 7 x 1   = ____
13) 9 x 7   = ____
14) 7 x 6   = ____
15) 7 x 8   = ____

16) 7 x ____   = 28
17) 7 x ____   = 70
18) ____ x 7   = 7
19) ____ x 7   = 21
20) 7 x ____   = 35
21) 7 x ____   = 56
22) ____ x 7   = 14
23) ____ x 7   = 63
24) 7 x ____   = 42
25) ____ x 7   = 49
26) 7 x ____   = 21
27) ____ x 7   = 56
28) 7 x ____   = 0
29) ____ x 7   = 70
30) 7 x ____   = 63

The eight times table

8 × 0 = ….	0 × 8 = ….
8 × 1 = ….	1 × 8 = ….
8 × 2 = ….	2 × 8 = ….
8 × 3 = ….	3 × 8 = ….
8 × 4 = ….	4 × 8 = ….
8 × 5 = ….	5 × 8 = ….
8 × 6 = ….	6 × 8 = ….
8 × 7 = ….	7 × 8 = ….
8 × 8 = ….	8 × 8 = ….
8 × 9 = ….	9 × 8 = ….
8 ×10 = ….	10 × 8 =

1) Complete:

a) 8 × 8 = ……

b) 8 × 6 = ……

c) …… × 8 = 72

d) 4 × …… = 32

2) Put (<, > or =):

a) 8 × 5   ….   8 × 6

b) 8 × 1   ….   8 + 1

c) 8 × 7   ….   7 × 8

8 x 1 =   8

8 x 3 =

8 x 10 =

1 x 8 =

4 x 8 =

8 x 5 =

6 x 8 =

8 x 8 =

8 x 7 =

9 x 8 =

0 x 8 =

8 x 4 =

3 x 8 =

8 x 6 =

7 x 8 =

8 x 9 =

Using the eight times table to find:

1) 8 x 2 = _____
2) 0 x 8 = _____
3) 4 x 8 = _____
4) 8 x 1 = _____
5) 8 x 5 = _____
6) 3 x 8 = _____
7) 8 x 8 = _____
8) 7 x 8 = _____
9) 8 x 10 = _____
10) 8 x 6 = _____
11) 9 x 8 = _____
12) 8 x 8 = _____
13) 8 x 4 = _____
14) 2 x 8 = _____
15) 5 x 8 = _____
16) 8 x 3 = _____
17) 8 x 7 = _____
18) 6 x 8 = _____
19) 8 x 0 = _____
20) 10 x 8 = _____

21) _____ x 8 = 24
22) 8 x _____ = 8
23) 8 x _____ = 80
24) _____ x 8 = 32
25) _____ x 8 = 48
26) _____ x 8 = 16
27) 8 x _____ = 56
28) 8 x _____ = 40
29) _____ x 8 = 72
30) 8 x _____ = 64
31) _____ x 8 = 80
32) 8 x _____ = 16
33) _____ x 8 = 40
34) 8 x _____ = 72
35) _____ x 8 = 8
36) 8 x _____ = 24
37) _____ x 8 = 56
38) _____ x 8 = 64
39) 8 x _____ = 32
40) 8 x _____ = 48

The nine times table

9 × 0 = ….	0 × 9 = ….
9 × 1 = ….	1 × 9 = ….
9 × 2 = ….	2 × 9 = ….
9 × 3 = ….	3 × 9 = ….
9 × 4 = ….	4 × 9 = ….
9 × 5 = ….	5 × 9 = ….
9 × 6 = ….	6 × 9 = ….
9 × 7 = ….	7 × 9 = ….
9 × 8 = ….	8 × 9 = ….
9 × 9 = ….	9 × 9 = ….
9×10 = ….	10×9 = ….

Complete:

9	9	8
× 9	× 7	× 9
……	……	……

9	….	….
× ….	× 9	× 6
18	45	54

Complete:

a) 9 × 3 = ……

b) 5 × 9 = ……

c) …… × 9 = 63

d) 9 × …… = 72

If the price of one meter of cloth is 9 pounds, then find the price of 4 meters of this cloth.

The price of 4meters =…………………………=………… pounds

Using the nine times table to find:

1) 9 x 3 = _____   21) _____ x 9 = 18

2) 2 x 9 = _____   22) 9 x _____ = 90

3) 5 x 9 = _____   23) 9 x _____ = 36

4) 9 x 10 = _____   24) _____ x 9 = 9

5) 9 x 4 = _____   25) _____ x 9 = 63

6) 1 x 9 = _____   26) _____ x 9 = 45

7) 7 x 9 = _____   27) 9 x _____ = 27

8) 9 x 6 = _____   28) 9 x _____ = 81

9) 9 x 9 = _____   29) _____ x 9 = 0

10) 8 x 9 = _____   30) 9 x _____ = 54

11) 0 x 9 = _____   31) _____ x 9 = 72

12) 9 x 2 = _____   32) 9 x _____ = 63

13) 9 x 7 = _____   33) _____ x 9 = 27

14) 10 x 9 = _____   34) 9 x _____ = 18

15) 9 x 1 = _____   35) _____ x 9 = 54

16) 9 x 5 = _____   36) 9 x _____ = 0

17) 4 x 9 = _____   37) _____ x 9 = 36

18) 6 x 9 = _____   38) _____ x 9 = 90

19) 3 x 9 = _____   39) 9 x _____ = 45

20) 9 x 8 = _____   40) 9 x _____ = 72

Exercises

1- Complete:

a) $6 \times 3 =$ ……

b) …… $\times 3 = 24$

c) $5 + 5 + 5 + 5 = 5 \times$ ……

d) …… $\times 3 = 21$

e) $6 \times$ …… $= 54$

f) $7 + 7 + 7 = 7 \times$ ……

2- Mona bought 8 pens for L.E 3 each. How much money did she pay?

She paid =…………………………………… = L.E…………

3- Complete:

a) $4 \times 5 =$ ……

b) $4 \times$ …… $= 36$

c) $8 \times 4 =$ ……

d) …… $\times 4 = 3 \times 8$

e) One hand has 5 fingers. so 6 hands have …………… fingers

f) If one plate has 7 oranges. so 9 plates have ……… oranges

g) Two numbers their product is 6 and their sum is 5 …… , ……

4- The product of 5 and 6   ………………………………………

5- Amir bought 8 bags of apples if each bag contains 6 apples. How many apples did Amir buy?

The number of apples = ………………………….=………… apples

2- The division

factor   factor   product

$$3 \times 6 = 18$$
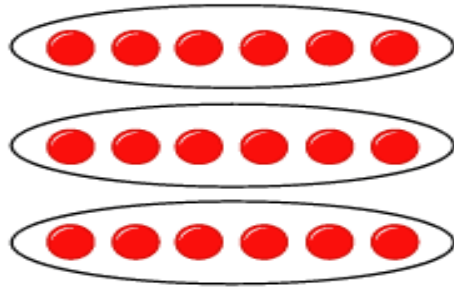
dividend   divisor   quotient

$$18 \div 3 = 6$$

Distribute equally and complete:

...... ÷ ...... = ...

↓ Dividend ↓ Divisor ↓ Quotient
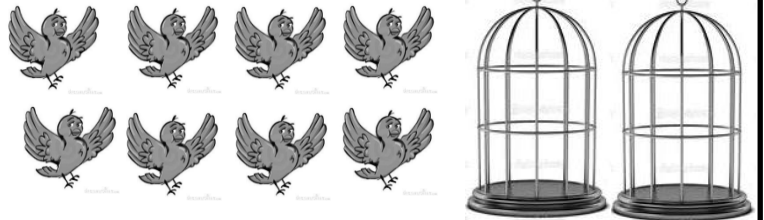
...... birds are put in each

Find the quotient:

$6 \div 2 = $ ......

$5 \div 5 = $ ......

$10 \div 2 = $ ......

$24 \div 3 = $ ......

$16 \div 8 = $ ......

$12 \div 4 = $ ......

$42 \div 6 = $ ......

$32 \div 4 = $ ......

$20 \div 5 = $ ......

$45 \div 5 = $ ......

$70 \div 7 = $ ......

$36 \div 6 = $ ......

$48 \div 8 = $ ......

$64 \div 8 = $ ......

Find the quotient

48 ÷ 6 = ……	18 ÷ 6 = ……
56 ÷ 8 = ……	35 ÷ 7 = ……
49 ÷ 7 = ……	15 ÷ 3 = ……
72 ÷ 8 = ……	63 ÷ 9 = ……
40 ÷ 4 = ……	0 ÷ 3 = ……

Divide:

```
         Quotient
        _____
Divisor | Dividend
```

$2\overline{)18}$ $3\overline{)24}$ $4\overline{)32}$ $5\overline{)40}$ $6\overline{)48}$

$7\overline{)49}$ $2\overline{)12}$ $3\overline{)27}$ $4\overline{)28}$ $5\overline{)30}$

$8\overline{)56}$ $7\overline{)63}$ $2\overline{)14}$ $3\overline{)18}$ $4\overline{)36}$

Find:

12 ÷ 2 =	36 ÷ 4 =
16 ÷ 4 =	21 ÷ 7 =
15 ÷ 3 =	45 ÷ 5 =
15 ÷ 5 =	18 ÷ 2 =
28 ÷ 7 =	54 ÷ 9 =
24 ÷ 6 =	49 ÷ 7 =
36 ÷ 9 =	30 ÷ 6 =
32 ÷ 8 =	35 ÷ 5 =

The relation between division and multiplication

Ex.: $3 \times 2 = 6$ So $6 \div 3 = 2$ Or $6 \div 2 = 3$

1) Complete:

$5 \times 3 = $ ......   So ...... $\div 5 = 3$ Or   ...... $\div 3 = 5$

$3 \times 7 = $ ......   So ...... $\div 7 = 3$ Or $21 \div 3 = $ ......

$6 \times 8 = $ ......   So $48 \div $ ...... $= 6$ Or $48 \div $ ...... $= 8$

2) Complete:

$12 \div $ ...... $= 4$

$63 \div $ ...... $= 7$

$20 \div $ ...... $= 4$

...... $\div 4 = 8$

...... $\div 3 = 9$

...... $\div 2 = 8$

$45 \div $ ...... $= 9$

...... $\div 7 = 8$

3) Complete:

a) $\overset{9}{....\overline{\smash{)}81}}$

b) $\underline{6}\,\overline{\smash{)}\overset{3}{....}}$

c) $\underline{9}\,\overline{\smash{)}\overset{6}{....}}$

d) $....\overline{\smash{)}\overset{6}{36}}$

e) $....\overline{\smash{)}\overset{5}{40}}$

f) $\underline{8}\,\overline{\smash{)}\overset{7}{....}}$

g) $....\overline{\smash{)}\overset{6}{42}}$

h) $\underline{6}\,\overline{\smash{)}\overset{8}{....}}$

Complete:

...... ÷ 8 = 8
...... ÷ 7 = 6
72 ÷ ...... = 9
...... ÷ 7 = 4
45 ÷ ...... = 5
...... ÷ 9 = 9

49 ÷ ...... = 7
...... ÷ 2 = 8
...... ÷ 9 = 5
...... ÷ 6 = 8
24 ÷ ...... = 3
35 ÷ ...... = 5

Put (<, > or =)

a) 1×9 .... $72 \div 8$

b) $56 \div 8$ .... $48 \div 6$

c) 3×9 .... 7×4

d) $49 \div 7$ .... $21 \div 3$

e) 6×3 .... $6 \div 3$

f) $45 \div 5$ .... $45 \div 9$

g) 6×6 .... 9×4

h) 8×6 .... $2 \times 3 \times 7$

Real life:-

1) **Sami saves 7 pounds every month. How much money does he save in 9 months?**

   What he saves =

   ……………………………………………………………………………

2) **Amal has 4 vases and she wants to put 7 flowers in each one. How many flowers does she need?**

   What she needs = ……………………………………………………

3) **How many metres of cloth can you buy for L.E 32 if the price of one metre is L.E 8**

   The number of metres=……………………………………metres

4) **In one of the libraries 72 books were distributed among eight shelves equally. How many books were put on each shelf?**

   The number of books on each shelf =………………………… books

Complete by using (+ or - or × or ÷)

   a) 4 ÷ 2 = 8 ☐ 4

   b) 3 ☐ 2 = 48 ÷ 8

   c) 32 ☐ 4 = 4 × 2

   d) 6 ☐ 3 = 3 × 3

   e) 8 ÷ 8 = 4 ☐ 3

Unit two

numbers up to 99 999

Lesson (1): thousands

Lesson (2): Ten thousands

Unit (2): **numbers up to 99999**

Lesson (1): "Thousands"

The smallest 3-digit number is ….…..

The greatest 3-digit number is …..…. ⟶

999

+   1

—————

..….…..

| Read as …………………….……… |

Complete:

The smallest 4-digit number is ….…….

The greatest 4-digit number is ….…….

The smallest 4-different digit number is ….…………

The greatest 4- different digit number is ….…………

The smallest 4-similar digit number is …..…………

Representing numbers on the abacus:

Th.   H   T   U

2   6 1 5

Read as:

………………………………………………………..

………………………………………………………..

Representing numbers on the abacus:

Th.   H   T   U

| …   …   …   … |

Read as:

…………………………………………………………………

…………………………………………………………………
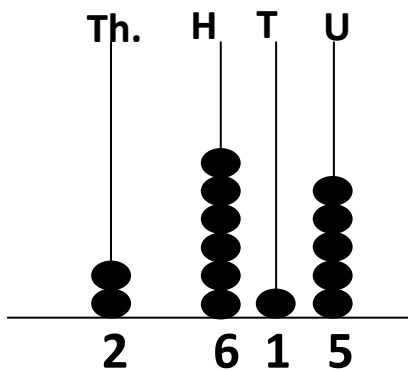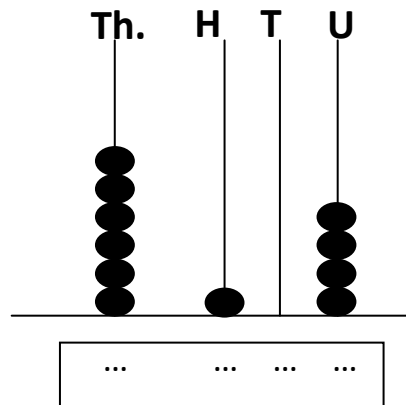
1- Complete as in the example:-

9876 read as ==> nine thousands eight hundreds and seventy six

1) 3161 ==>...

2) 8522 ==>...

3) 6666 ==> ....

4) 9300 ==> ....

5) 6408 ==> ....

2-Write the following in digits

Nine thousands seven hundreds and eighty three==> 9783

1) Five thousand ,one hundred and forty ==> ....

2) Eight thousand, and one ==> ....

3) Four thousand, and six tens ==> ....

4) One thousand, two hundreds and three ==> ....

5) Three thousand, 9 hundreds and fifteen ==> ....

3- Choose the correct answer:-

a) Four thousands six hundreds and seventeen   (4607 - 4617 - 4017)

b) Three thousands three hundreds and sixty-six   (366 – 3336 - 3366)

c) one thousand two hundred and thirty- four   (1234 – 1034 - 1134)

4- Complete the missing numbers:-

a) 1000 , 2000 , ... , ... ,5000 , ... ,..........

b) 2300 , 2600 , ... , 3200 ,.......... , 3800 , ...

c) 1031, ... , ... , 1034 , 1035 ,........ , ... ,1038.

5- Choose the correct answer :-

a) 2 thousands = ………. Hundreds   (2 - 20 - 200)

b) ………. Thousands = 50 hundreds   (5– 50 - 500)

c) 4000 = ………. Hundreds   (4 – 40 - 400)

d) 7 thousands = ………. Tens   (7 – 70 - 700)

e) 3000 =………. Tens   (3 – 30 - 300)

6- Complete the following:-

a) 1 thousands = ………. Hundreds = ………. Tens = 1000

b) ………. Thousands = 60 hundreds = ………. Tens = 6000

c) 5 thousands=………… tens =…………… hundreds = ……………
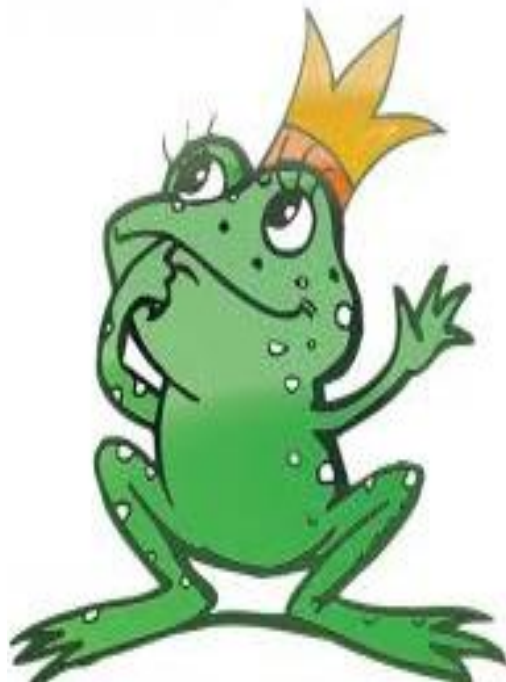
Place value

1- Complete as in the example:-

In 6878 the digit 7 is in the <u>tens</u> place. Its value is <u>70</u>

a) In 5312 the digit 3 is in the .... Place. Its value is ....

b) In 9425 the digit 9 is in the .... Place. Its value is ....

c) In 7852 the digit........................... is in the tens place. Its value is ....

d) In 4167 the digit .... is in the thousands place. Its value is ....,...

2- Write the place value of the underline digit:-

45<u>3</u>2 ....   3<u>6</u>84 ....

<u>7</u>639 ....   <u>2</u>017 ....

2<u>1</u>67 ....   675<u>4</u> ....

376<u>6</u> ....   <u>5</u>555 ....

3- Choose the value of underline digit:-

a) The value of underline digit 39<u>6</u>8 is .... [6 – 60 – 600 – 6000]

b) The value of underline digit <u>4</u>329 is .... [4 – 40 – 400 – 4000]

c) The value of underline digit 863<u>1</u> is .... [1 – 10 – 100 – 1000]

d) The value of underline digit 7<u>2</u>40 is .... [2 – 20 – 200 – 2000]

The expanded form and the standard form

1) Write each of the following numbers in expended form as in the example:-

8639 = 8000 + 600 + 30 + 9

a) 2753 = ... + ... + ... + ...

b) 3698 = ... + ... + ... + ...

c) 6042 = ... + ... + ... + ...

d) 9999 = ... + ... + ... + ...

e) 7812 = ... + ... + ... + ...

2) Complete as in the example:-

3 thousands, 5 hundreds, 1 ten and 4 units= 3000+500+10+4=3514

a) 9 thousands, 4 hundreds, 5 tens and 9 units =

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

b) 7 thousands, 7 hundreds, 7 tens and 7 units =

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

c) 6 thousands, 8 hundreds and 5 units =

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

d) Three units, five tens, 9 hundreds and one thousands =

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

e) 68 hundreds, 6 tens and 4 units =

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

3) Write the following numbers in the standard form:-

$$2000 + 900 + 40 + 1 = 2941$$

a) 5000 + 100 + 20 + 1 = …………

b) 8000 + 600 + 60 + 9 = …………

c) 1000 + 50 =…………

d) 3000 + 7 =…………

e) 400 + 30 + 8 =…………

f) 9000 + 100 + 3 = …………

g) 7000 + 200 + 60 + 2 =…………

h) 6000 + 200 = …………

4) complete the following as in the example:-

$$9600 = 96 \text{ hundreds} = 960 \text{ tens}$$

a) 2300 = ……. Hundreds = ……. Tens.

b) 5400 = ……. Hundreds = ……. Tens.

c) 8700 = ……. Hundreds = ……. Tens.

d) …….. = 64 hundreds = ……. Tens.

e) …….. = ……. Hundreds = 160 tens.

5) **Choose the correct answer:-**

a) 5 + 0 + 0 + 3 = ……   (53 - 8 – 5003)

b) 6700 = ……. Tens   (670 -67 –6700)

c) 2 thousands and 58 tens = ……   (2058 – 5820 – 2580 – 2850)

d) 500 tens + 20 hundreds = …….   (2000 – 7000 – 5000)

e) 750 tens = ……. Hundreds   (7500 – 75 – 70)

f) 6 thousands and 1 ten = …….   (1060 – 6100 – 6010 – 1600)

g) 39 hundreds = …….   (39 - 3900 – 390)

6) **Complete:-**

Think and answer

a) 90 + 800 + 9000 = ………………

b) 5 thousands = ……………… Tens.

c) 7885 = ……………… + 85

d) The place value of the digit 7 in the number 4576 is ……………

e) 6 + 9 + 0 + 3 = ………………

f) 7 thousands = ……………… Hundreds.

g) 4 754 = ………… + ………… + ………… + …………

h) 6587 = ………… + 6000
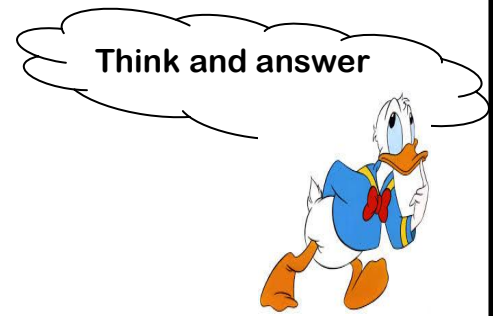
Lesson (2) "Ten thousands"

The smallest 4-digit number is ……..

The greatest 4-digit number is …….. ⟶

9 999

+   1
_____
...……..

Read as …………………………

Complete:

The smallest 5-digit number is ……….

The greatest 5-digit number is ……….

The smallest 5-different digit number is ………..……

The greatest 5- different digit number is ………..……

The smallest 5-similar digit number is ………..……
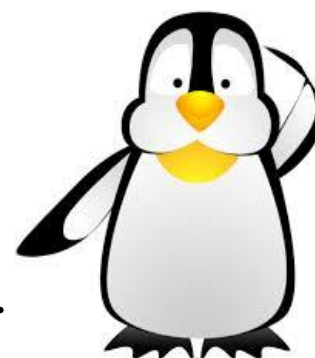
Representing numbers on the abacus:

T.th	Th.	H	T	U
5	2	4	1	3

Read as:

………………………………………………………………

………………………………………………………………

Representing numbers on the abacus:

T.th	Th.	H	T	U
…	…	…	…	…

Read as:

………………………………………………………………

………………………………………………………………
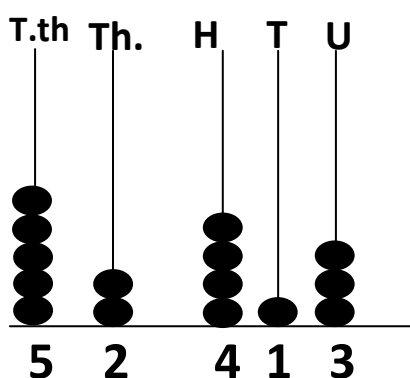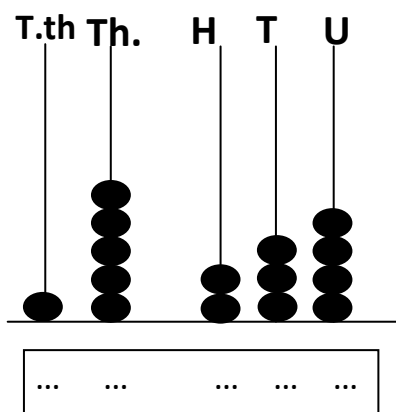
1) Complete as in the example:-

72887 read as ==> seventy two thousands eight hundreds and eighty- seven

a) 63451==> ....

b) 17924==> ....

c) 52318 ==> ....

2) write the following numbers in digits as in the example:-

Thirty two thousands nine hundreds and fifty three==> 32953

a) Ninety five thousands six hundreds and thirty eight==>................

b) Nineteen thousands and five==>..................

c) Twenty three thousands and four hundreds==>...................

d) Forty seven thousands and eleven ==>..................

3) Complete:-

a) 300 hundreds = ... Thousands = ...

b) 5 ten thousands = ...

c) The smallest 5- digit number is ....

d) The greatest 5-digita number is ....

e) 90000 = ... tens

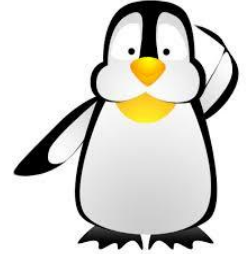f) 600 hundreds = ... Thousands = ...

4) Complete in the same pattern:-

a) 94273 , 95273 , 96273 , ... , ... , ...

b) 99700 , 89700 , 79700 , ... , ... , ...

Place value

1) Write the value of the following:-

> The value of 2 in 21354 is 20 000

a) The value of 9 in 57936 is ……………………………

b) The value of 8 in 10683 is ……………………………

c) The value of 6 in 62583 is ……………………………

2) Choose the place value of the underline digit:-

a) 4_3_625   [thousands - hundreds – ten thousands]

b) 4_5_008   [thousands - hundreds – ten thousands]

c) 8090_3_   [thousands - hundreds – tens – units]

d) 37_8_78   [tens   - hundreds – ten thousands]

e) 10_4_00   [Thousands - hundreds – ten thousands]

f) _4_9008   [Thousands - tens – ten thousands - units]

3) Choose the correct answer:-

a) 64 thousands 6 hundreds 4tens and 2 units = …………………

(64264 – 6462 - 64642 – 24624)

b) 3 ten thousands 5 thousands 2 hundreds and 7 tens = …………………

(35207 - 35270 - 53270 - 30527)

c) 40 thousands and 9 tens = …………   (40900 – 4090 - 4009 - 40090)

d) 20 thousands and 43 units = ………   (2043 - 20043 - 20340 - 20430   )

The expanded form and the standard form

1- Complete as in the example:-

56,791= 56,000 + 791

= 50,000 + 6,000 + 700 + 90 + 1

a) 98152 = ………… + 152

= ………………. + ………………. + ……………. + ……………. + 2

b) 79765 =79000 + …………

= …………… + ………….. + ………….. + ……………. +…………..

2-Write the following numbers in the standard form as in the example:-

20 000 + 8 000 + 600 + 50 + 3 =28,653

a) 80 000 + 8 000 + 800 +80 = ……………………………………

b) 90 000 + 400 + 1 = ……………………………………

c) 70 000 + 2 551 = ……………………………………

d) 2 + 0 + 0 + 4 + 1 = ……………………………………

e) 60 000 + 4 = ……………………………………

f) 2 + 30 + 900 + 8 000 + 40 000 = ……………………………………

Comparing and ordering numbers

1- Put the suitable sign ($<, =, >$) :-

a) 38 265   ....   38 625

b) 9044   ....   94 hundreds

c) 25 132   ....   2 ten thousands+ 5 thousands+1 hundred+ 30

d) 66 325   ....   sixty six thousands, three hundred and fifty two

e) 2000   ....   20 tens

f) 800 tens ....   40 hundreds+ 2 thousands

2- Write the number just before:-

a)................ →   56 373   d) .... → 17 460

b)............... → 36 010   e) .... → 49 700

C) .... → 98 001   f) .... → 60 456

3- Choose the correct answer

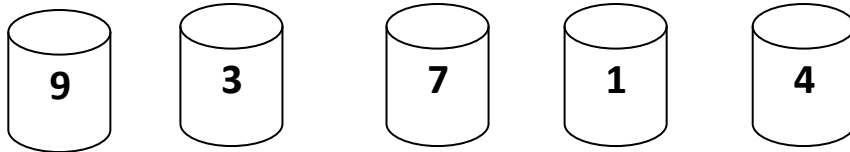The greatest number is.......   [3123 – 3125 – 3127 – 3129]

The smallest number is.......   [5220 – 8220 – 3220 – 4220]
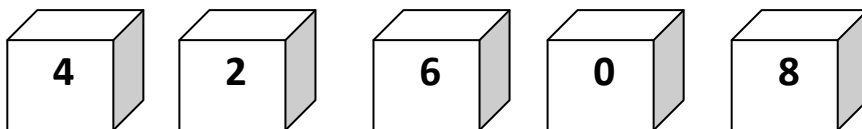
4- write the number just comes after:-

57 373 → ....   33 699 → ....

3 756 → ....   27 543 → ....

5- <u>Use the following digits to form the smallest and the greatest</u>

<u>5-digit numbers:-</u>

| 9 | 3 | 7 | 1 | 4 |

- **The greatest number is …………………………**
- **The smallest number is …………………………**

| 4 | 2 | 6 | 0 | 8 |

- **The greatest number is …………………………**
- **The smallest number is …………………………**

<u>6)</u> Arrange the following numbers in an ascending and descending order:-

52 781 – 56 491 – 39 964 – 72 664

Ascending order: …………… - ………………- ……………… - ………………

Descending order: …………… - ………………- ……………… - ……………

72 450 – 24 570 – 9 457 – 72 540

Ascending order: …………… - ………………- ……………… - ………………

Descending order: …………… - ………………- ……………… - ……………

7- Complete:-

The number that lies between 23 344 and 23 346 is ………………

The number that lies between 25 915 and 25 917 is ………………

8 - Choose the closest number:-

Under line the nearest number to 60000 [5999, 61111, 59900]

Underline the nearest number to 9999   [9090 , 10000 , 9900]

Underline the nearest number to 3000   [3001 , 2990 , 3333]

Underline the nearest number to 80000 [79999, 79000, 80100]

Unit three

Addition and subtraction

up to no more than 99999

Lesson 1: Finding the sum of two numbers

Lesson 2: properties of addition

Lesson 3: subtracting two numbers

Lesson 4: The relation between addition and subtraction

Lesson 1: Finding the sum of two numbers

1- Find the result :-

a) 746
+ 152
..……..

b) 475
+ 422
..……..

c) 250
+ 136
..……..

d) 443
+ 545
..……..

e) 325
+ 321
..……..

f) 3 334
+ 6 662
..……..

g) 4 252
+ 1 523
..……..

h) 3 521
+ 3 420
..……..

i) 6 347
+ 1 521
..……..

2- Add:-

a) 3 000 + 5 000 = ………….

b) 3 241 + 341 = ………….

c) 4 245 + 24 = ………….

d) 4 234 + 5 263 = ……

e) 5 214 + 1 652 = ……

f) 123 + 87 621 = ……

3- Find the result:-

a) 2 521	b) 2 004	c) 5 214	d) 3 241
+ 4 153	+ 6 453	+ 1 132	+ 1 352
+ 3 321	+ 521	+ 2 650	+ 206
….…….	….…….	….…….	….…….

e)   311 + 5 682 + 111   = …………..

f) 60 321 + 18 32 + 21 315 = …………..

g) 58 112 + 1 335 + 20   = …………..

Adding by renaming

1- Add:

$$7\ 045$$
$$+1\ 588$$
....

$$63\ 456$$
$$+\ 26\ 544$$
....

$$2\ 541$$
$$+\ 49\ 879$$
....

$$3\ 975$$
$$+\ 8\ 062$$
....

$$23\ 058$$
$$+\ 24\ 983$$
....

$$1\ 282$$
$$+\ 19\ 829$$
....

$$5\ 308$$
$$+\ 5\ 692$$
....

$$46\ 386$$
$$+\ 52\ 618$$
....

$$59\ 111$$
$$+\ \ \ 999$$
....

$$3\ 045$$
$$+1\ 276$$
....

$$20\ 625$$
$$+\ \ 8\ 708$$
....

$$79\ 610$$
$$+\ \ 4\ 361$$
....

2- Find the sum:-

a) 5 432 + 1 296 = ……………

b) 4 265 + 2 578 = ……………

c) 58 224 + 24 954 = ……………

d) 1 253 + 69 582 = ……………

e) 46 283 + 23 749 = ……………

3- Find the sum :-

2 465
+ 4 123
+ 2 501
………………..

34 526
+ 2 545
+ 21 952
………………

3 484
+ 3 142
+ 2 012
………………

2 534
+ 253
+ 9 527
………………..

46 245
+ 30 523
+ 3 232
………………

5 232
+ 8 654
+ 2 462
………………

4- Find the result:-

a) 4 032 + 1 645 + 3 423 = ……………..

b) 24 653 + 3 420 + 120 = ……………..

Complete the missing digits:-

1.
```
   2 6 0 7
+  □ □ 6 □
 ─────────
   4 9 7 6
```

2.
```
   4 7  1 4
+    □4  □5
 ─────────
   8 □  6 □
```

3.
```
   2 □ 3 8
+  □ 9 5 □
 ─────────
   8 4 □ 2
```

4.
```
   □ □ 3 □
+  7 3 □ 6
 ─────────
   9 0 5 4
```

5.
```
   4 7 □ □ 5
+    □ 7 2 □
 ───────────
   5 4 3 1 8
```

6.
```
   2 6 5 4 3
+  □ 1 9 7 □
 ───────────
   3 □ 5 □ 2
```

7.
```
   □ 2 □ 5 6
+  4 □ 8 9 □
 ───────────
   5 9 3 □ 0
```

8.
```
   5 9 □ □ 1
+  2 □ 8 5 □
 ───────────
   □ 7 2 2 4
```

9.
```
   8 3 □ 9 5
+    □ 7 2 □
 ───────────
   □ 0 2 □ 3
```

Story Problems

1) In a fruit farm, there are 34275 mango trees and 12713 orange trees,

Find the number of all the trees in this farm.

The number of all the trees = …………………………= ………………. trees.

2) Ahmed has L.E 3242 and Dalia has L.E 43213, How much money do they have?

The total amount of money=……………..………………..……=……………… L.E.

3) At the end of the year, the school organized a sporting show in which 3675 girls and

6312 boys participated in the show,

How many pupils participated in the show?

The number of participated pupils = ………………………………..…… = …………... pupils.

4) Ahmed, Nagy and Said decided to be partners in a small business.

They paid 25000, 15000, 3000 pounds, respectively what is the total they paid?

The total sum of money = ………………………………. = ……… pounds.

5) 8797 building units were built in Nasr city, then another 47989 building units were

built. Find the total number of the building units which were built in Nasr city?

The total number of the building units …………………………………= ....

6) The number of tourists who visited the pyramids in three consecutive days were

15432, 18760, 25000 tourists, Find the total number of tourists who visited the

pyramids in these three days.

The number of tourists= ………………………………………… = ...

Addition properties

Remarks:

2164 + 3479 = 3479 + 2164

2194+1209 +4354=(2194 + 1209)+4354=2194 +(1209 +435)

Exercises

1) Complete:-

a) If 3678 + 2153 = 5831 then 2153 + 3678 = ………………

b) 1294 + 1572 = 1572 + ………………

c) …………… + 9384 = ……………… + 2352

d) ………………+ 9873 = 9873 + …………

2) Notice and complete:-

a) (…………+ 1756) + 3206 = 5419 + (1756 + …………)

b) (6452 + 3056) + ………… = 6452 + (………… + 4216)

c) 8146 + (………… + 1982) = (8146 + 3114) + ……………

d) (…………+ 2517) + 4637 = 1856 + (2517 + …………)

e) (…………… + 2029) + 1536 = 3401 + (2029 + …………)

3) Notice and then complete:-

Example :

a) 2835 + 3154 = (2000 + 800 + 30 + 5) + (3000 + 100 + 50 + 4)

  = (2000 + 3000) + (800 + 100) + (30 + 50) + (5 + 4)

  = 5000 + ... + ... + ... = 5989

b) 3417 + 5362 = (......... + 400 +......+ 7)+(5000 + ... + 60 + 2)

= (3000 + ...) + (400 + 300) + (..... + 60) + (..... + 2)

= 8000 + ... + ... + ... = 8779

c) 5134+3742 = (5000+.........+30+ ......)+(3000 + 700 +....... + ...)

     = (...... + 3000) + (100 + ...) + (30 + ...) + (4 + ...)

  = ... +800 + ... + 6= ....

4) Choose the suitable sign <, > or =:-

a) 7315 + 1872 [   ] 9000

b) 6284 + 1475 [   ] 8000

c) 6321 + 10375 [   ] 6321 + 9375

d) 3296 + 80217 [   ] 3296 + 8217

Lesson 3: subtracting two numbers

1- Subtract the following numbers:-

TH	H	T	U
3	5	8	9
2	3	1	5

TH	H	T	U
9	6	2	9
3	1	2	1

2- Find the result:

```
  5 6 7 8
- 2 4 3 6
-----------
```

```
  9 6 3 0
- 2 1 0 0
-----------
```

```
  9 8 5 6 6
- 4 5 1 2 4
-----------
```

```
  4 1 3 9
-  2 0 1 4
-----------
```

```
  3 1 7 4
- 2 0 3 2
-----------
```

```
  7 2 6 3
- 5 1 5 2
-----------
```

```
  6 2 9 9 9
-   1 9 9 9
-----------
```

```
  1 9 6 5 6
- 1 4 3 2 0
-----------
```

```
  6 9 7 4
- 3 4 1 0
-----------
```

```
  8 9 4 5
- 3 7 0 3
-----------
```

```
  8 3 5 0 2
- 3 0 4 0 1
-----------
```

```
  7 5 6 7 8
- 3 2 4 3 6
-----------
```

3- Subtract the following:-

1) 7932 – 4510   = …………….

2) 70623 – 30611 = …………….

3) 65249 – 25247 = …………….

4) 59782 – 7280   = …………….

5) 3245 – 1111   = …………….

6) 98762 – 43230 = …………….

7) 8273 – 4150   = …………….

8) 22536 – 10421 = …………….
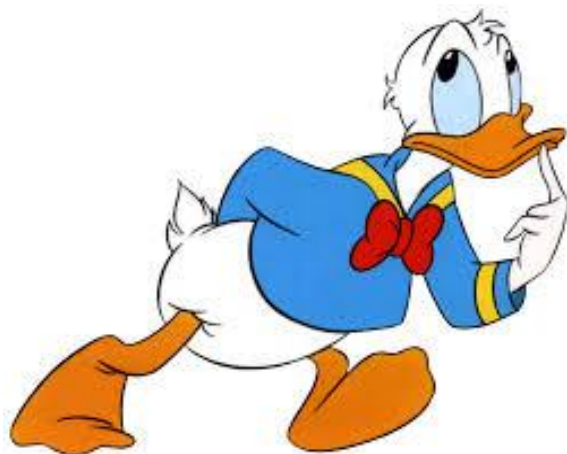
All the following forms of questions mean that

We must do a subtraction operation

- ➢ The decrease of 1315 than 3589
- ➢ The increase of 3589 than 1315
- ➢ The difference between 1315 and 3589
- ➢ The difference between 3589 and 1315
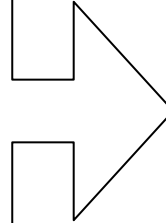
3589 – 1315

4- Complete:-

1) **What is the increase of 9324 than 4112?**
   The answer =

   ....

2) **Find the decrease of 70435 than 90538?**

   The answer =

   ....

3) **Find the decrease of 3703 than 8945?**

   The answer =

   ....

5-Complete using a suitable relation "$<, =, or >$"

a) 45678 – 12056 ☐   40 000

b) 5436 – 2312 ☐   3 124

c) 8654 – 1231 ☐   7543 – 6123

Subtracting by renaming

1) Subtract the following numbers:-

```
  9 2 6 3
- 3 8 4 2
------------
```

```
  6 3 5 7
- 4 4 6 7
-------------
```

```
  8 6 2 3
- 4 2 4 8
------------
```

```
  2 9 0 6 4
- 1 1 8 5 2
--------------
```

```
  4 6 8 3 5
- 1 9 7 2 7
-------------
```

```
  7 2 9 8 6
- 4 7 4 5 9
--------------
```

```
  7 3 2 7 5
-  4 5 6 5 8
--------------
```

```
  6 4 1 6 2
-   5 3 2 6
---------------
```

```
  8 3 2 5 6
-  5 8 7 9 2
------------
```

```
  3 1 0 7 0
-   2 5 2 3
---------------
```

```
  6 2 4 5 0
- 4 6 7 8 6
---------------
```

```
  1 3 5 2 4
-   4 7 8 6
---------------
```

```
  5 3 0 4 6
- 3 1 3 7 2
---------------
```

```
  8 5 0 0 9
- 4 2 8 9 7
---------------
```

```
  9 0 1 2 3
- 7 5 4 2 5
--------------
```

2) Find:-

a) 3 458 – 2 064 = ...

b) 32 975 – 18 943 = ...

c) 56 470 – 39 856 = ...

d) 68 231 – 57 565 = ...

3) Write the greatest and the smallest number formed from
The given digits, then find the difference between them:

7   5   8   2

- The greatest number is ....
- The smallest number is ....
- The difference = ... - .... = ...

3   9   4   6

- The greatest number is ....
- The smallest number is ....
- The difference = ... - .... = ...

4) Write the missing digit as in the example:-

Example:

```
   [8] 3 [9] 7
 -  5 [3] 7 [3]
 ─────────────
    3  0  2  4
```

```
    6  5  2  4
 - [ ][ ][ ][ ]
 ─────────────
    4  2  1  3
```

```
 [ ][ ][ ][ ][ ]
 -   6  1  3  1  2
 ───────────────
     2  1  2  5  3
```

```
    9  5 [ ][ ]
 -  7 [ ] 0  5
 ─────────────
    2  1  3  1
```

```
    2 [ ][ ] 4
 - [ ] 4  3 [ ]
 ─────────────
    1  2  1  3
```

```
    9 [ ] 3 [ ]
 - [ ] 3  2  1
 ─────────────
    4  1 [ ] 2
```

```
  [ ] 3 [ ][ ] 2
 - 3 [ ] 4  0 [ ]
 ───────────────
   5  1  2  3  1
```

```
  [ ] 3  6  4
 - 1  2 [ ] 5
 ─────────────
   1 [ ] 3 [ ]
```

```
 -  4 [ ] 5 [ ]
  [ ] 7 [ ] 8
 ─────────────
    2  4  2  4
```

1) Omar had L.E. 79000. He bought a house for L.E. 67000

 what is the remainder with Omar?

 ……

2) Ali has L.E. 60000. How much money does he need to buy a car for L.E. 97000?

………………………………………………………………………………………………………

3) If Sara had L.E. 4 637 in her saving account, and she took away L.E. 1358, find the

money left in her account.

The money left in her account =…………………………………………………………..…………….

4) Ehab bought a car for 72 000 pounds, then he sold it with a loss of 6000 pounds.

Find the selling price.

The selling price= …………………………………………….………………=………………………….

5) On Monday, the number of the metro Passenger was 6 543, On Tuesday it was

7544 calculate the increase in the number of passengers on Tuesday.

The increase = …………………………………………………………………………………………………

6) A company made an income of 5 127 pounds in one day, its expenses were 4 086

pounds on the same day. What is the profit of the company on that day?

The company's profit = ……………………………………………………………………………….

the relation between addition and subtraction

1)Notice, then complete:

a) If 24787 + 24781 = 49568   Then   49568 – 24781 = …………

b) If 19764 + 60175 = 79939   Then   79939 - ………… = 19764

c) …………… - 19764 = 60175

d) 60175 + …………… = 79939

2) Complete:-

a) 9558 + …………… = 29558

b) …………… - 1303 = 1303

c) …………… + 356 = 30356

d) 80500 - …………… = 500

e) …………… + 6000 = 4213 + 2132

f) 6542   + …………… = 8764
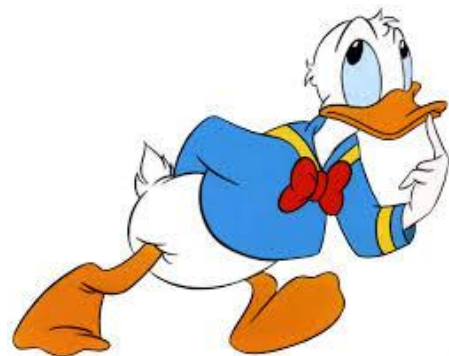
3) Complete:

a)
```
     87250
  -  .........
  _____
     51140
```

b)
```
   3284
 + ........
 _____
   8895
```

c)
```
   .........
  -  3820
  _____
     4153
```

d)
```
   ...........
  + 62537
  _____
    98748
```

4) Complete:

a) Find the difference between 4867 and 1523?

....

b) The remainder of subtracting 2241 from 6452 is

....

5) Write the greatest and the smallest 5-digit number that can be formed from 6, 4, 0, 1, and 7, then find their sum and the difference between them.

a) The greatest 5-digit number = ………………………………

b) The smallest 5-digit number ………………………………..

c) Their sum = ……………………………………………………

d) Their difference = ……………………………………………

6) Circle the closest number to the correct answer

(a) 7255 - 4355   (1000 , 2000 , 3000 , 4000)

(b) 6283 - 2272   (1000 , 2000 , 3000 , 4000)

(c) 8045 - 6789   (1000 , 2000 , 3000 , 4000)

Unit four

Geometry

Lesson (1): Solids

Lesson (2): Using a ruler to measure the length of a line Segment

Lesson (3): Geometric constructions

Lesson (4): Breaking down a shape into its parts and rebuilding it

Lesson (5): Visual patterns

Lesson (6): Angles

Unit four Geometry

Lesson (1): solids

Match:-

a) Cone
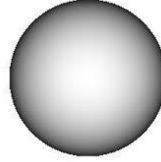
b) Prism
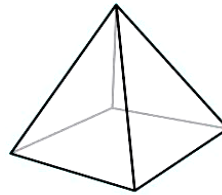
c) Sphere
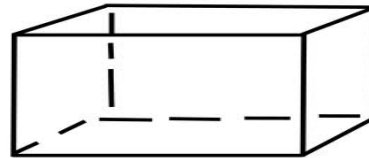
d) Pyramid

e) Cube
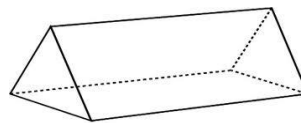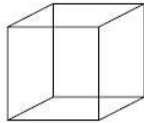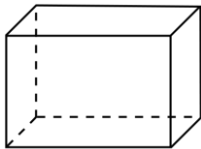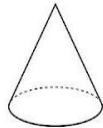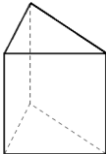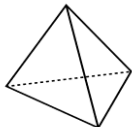
f) Cylinder
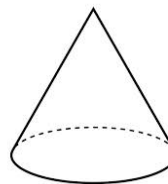
g) Cuboid
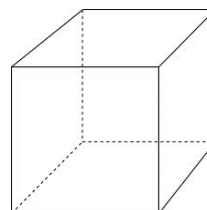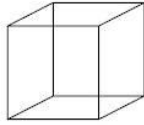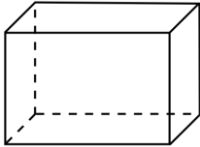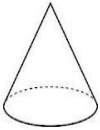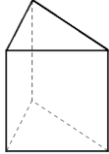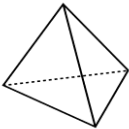
Study hard:

Solid		Faces	Edges	Vertices
1) Cube		6 (each face is a square)	12	8
2) Cuboid		6	12	8
3) Cone		1 Circular base	No edge	1
4) Cylinder		2 Circular bases	No edge	No vertex
5) Sphere		No face	No edge	No vertex
6) Triangular prism		3 rectangular sides faces 2 triangular bases	9	6
7) Triangular Pyramid		3 triangular side faces 1 triangular base	6	4
8) Squared Pyramid		4 triangular side faces 1 squared base	8	5

1) Complete:

Solid	Faces	Edges	Vertices
1) ………………	……………………………	………	………
2) ………………	……………………………	………	………
3) ………………	……………………………	………	………
4) ………………	……………………………	………	………
5) ………………	……………………………	………	………
6) ………………	……………………………	………	………
7) ………………	……………………………	………	………
8) ………………	……………………………	………	………

2) Name each solid and complete :

a) Name: ………….

Number of faces is ……….

and each face is a ………..

Number of edges: ……….
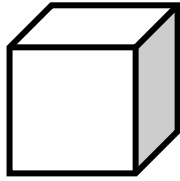
Number of vertices: …….

b) Name: ………….

Number of faces is …….

Number of edges: …….

Number of vertices: …….
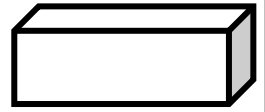
c) Name: ………….

Number of side faces is ……….

Each face is a ………..

Number of edges: ……….

Number of vertices: …….
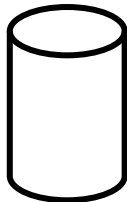
Number of bases: ………
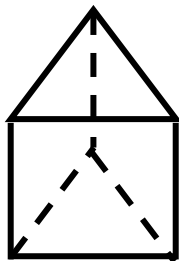
and its base is a ……….

d) Name: ………….

Number of side faces is ……….

Each face is a ………..

Number of edges: ……….

Number of vertices: …….

Number of bases: ………

and its base is a ……….
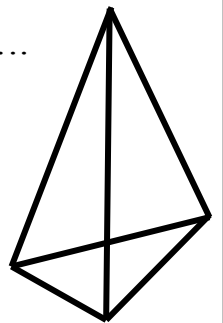
e) Name: ………….

Number of vertices: …….

Number of bases: ………

and each base is a ……….

f) Name: ………….

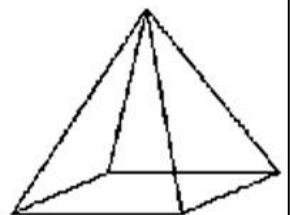Number of vertices: …….

Number of bases: ………

and the base is a ……….
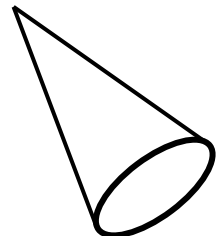
g) Name: ………….

Number of vertices: …….
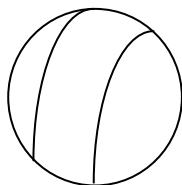
Number of bases: ………

h) Name: ………….

Number of side faces is ……….

Each face is a ………..

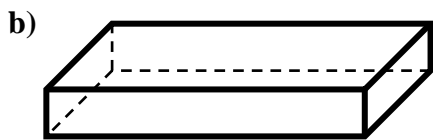Number of edges: ………

Number of vertices: …….

Number of bases: ………
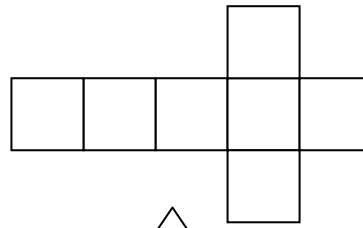
and its base is a ……….

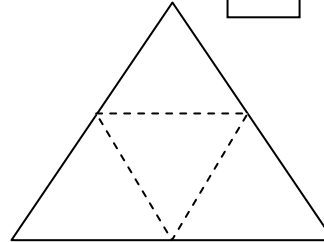## 3) Join each solid to its unfolded cardboard:
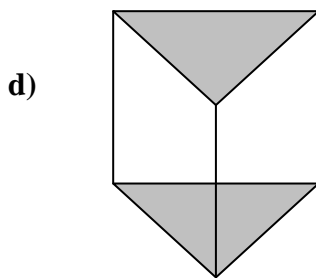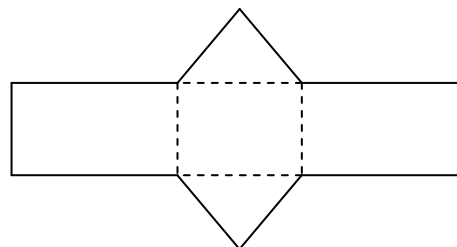
a)

1)

b)

2)

c)

3)
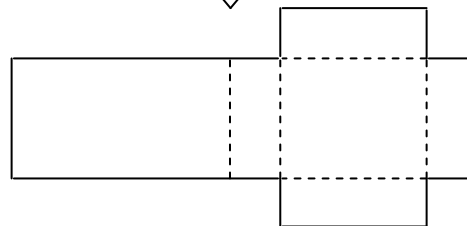

d)
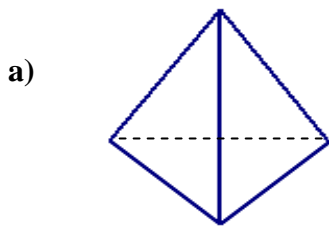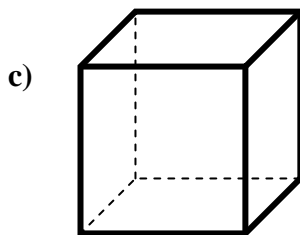
4)

4) Choose the correct answer:-

1. The number of cuboid vertices is ………….   [12 , 6 , 8]

2. The only solid in the following figure is the ……………[Rectangle , square , cuboid]

3. The ………………. does not have edges or vertices, but it has 2 circular bases

   [sphere , cone , cylinder]

4. The number of cube's edges is ………………….   [12 , 8 , 6]

5. The base of the cone is a shape of……….   [square , triangle , circle]

6. The solid which has no faces, edges and vertices is the …………….…..

[Cube , ball , pyramid]

7. Each face of the faces of the cube is a …………….……

[Rectangle , square , triangle]

8. The cone has …………….   [one vertex , eight sides , four edges]

9. The triangular pyramid has …………...   [1 base , 2 bases , 3 bases]

10. The base of the cylinder is a …………….   [square , triangle , circle]

11. The ……………. Does not have edges, but it has one vertex and one circular base

[cylinder , cone , sphere]

12. The prism with triangular base has ……….. Side face. [1 , 3 , 5]

13. The number of faces of the cuboid ……………….   [4 , 6 , 8]

14. The number of vertices of the cube………… the number of vertices of the cuboid

[< , = , >]

15. The number of edges of the triangular prism …… the number of edges of

triangular pyramid   [< , = , >]

5) Complete:-

a) The shape of the base of the cylinder is …………………

b) The number of faces of the cube …………………

c) The number of edges of the cuboid …………………

d) The figure which has neither edges nor vertices and has two circular bases is called …………………

e) The number of vertices of the cube …………………

f) the cylinder has ………………… bases

g) The number of edges of the triangular prism …………………

h) The number of vertices of a ball …………………

i) The number of edges of the cube …………………

j) the pyramid has ………………… base

k) The base of the cone is a shape of …………………

l) the triangular prism has ………………… side faces

m) The number of faces of the cuboid …………………

n) The number of vertices of the square pyramid …………………

o) The cone has ………………… vertex

p) The number of vertices of the cuboid …………………

q) The prism has ………………… bases

r) If a cube is put in a container filled with red color. Then, the number of colored faces …………………
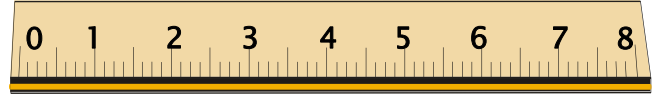
Using a ruler to measure the

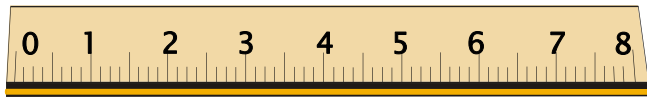# Length of a line segment
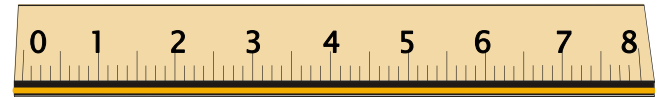
1) Complete:
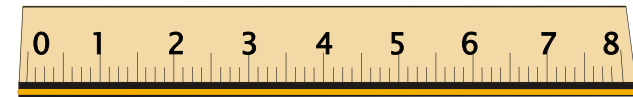
The length of $\overline{CD}$ = …….. cm

The length of $\overline{EF}$ = …….. cm

The length of $\overline{AB}$ = …….. cm
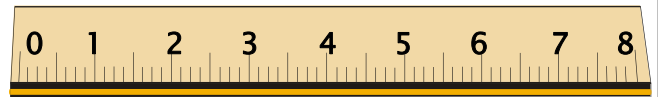
The length of $\overline{XY}$ = ……..cm

LM = …….. cm

DE = …….. cm

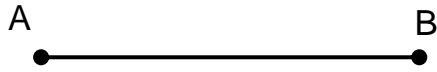**Notes :** There is two ways to write the length of the line segment

❖ The length of $\overline{XY}$ = 3 cm

❖ **Or** XY = 3 cm   X_____Y

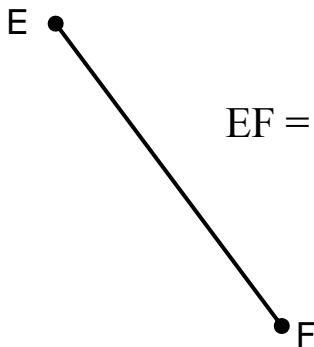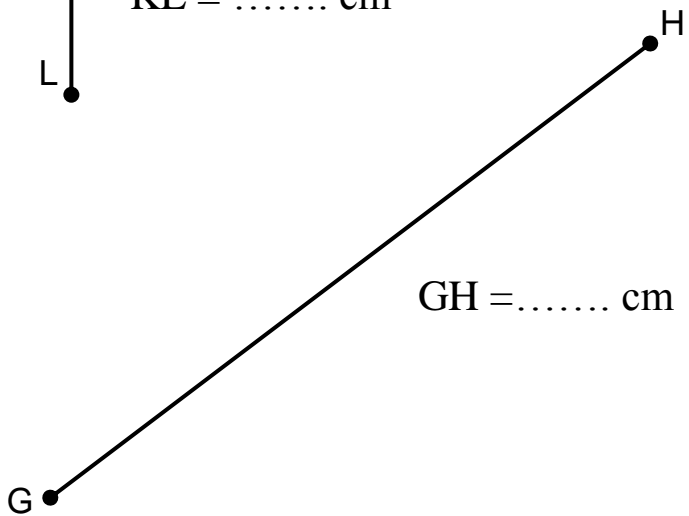## 2) Use your ruler to measure the lengths of the following line segments.

A ●———————————● B

AB =……. cm

C ●———————————● D

CD = ……. cm

K ●
KL = ……. cm
L ●

H ●

E ●

EF =……. cm

GH =……. cm

F ●

G ●

X ●

I ●———————————● J

IJ= ……. cm

XY =……. Cm

Y ●

Geometric Constructions

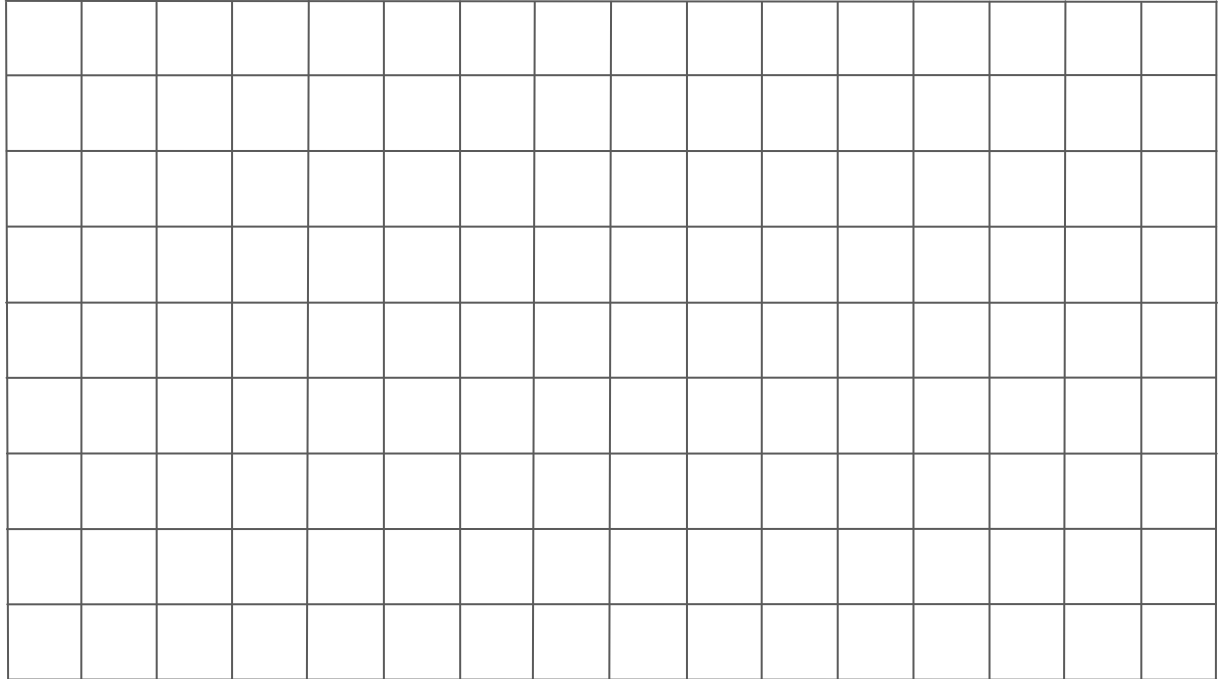**1) Draw the line segment $\overline{AB}$ of length 4 cm.**

2) Draw the line segment $\overline{CD}$ of length is 5 cm.
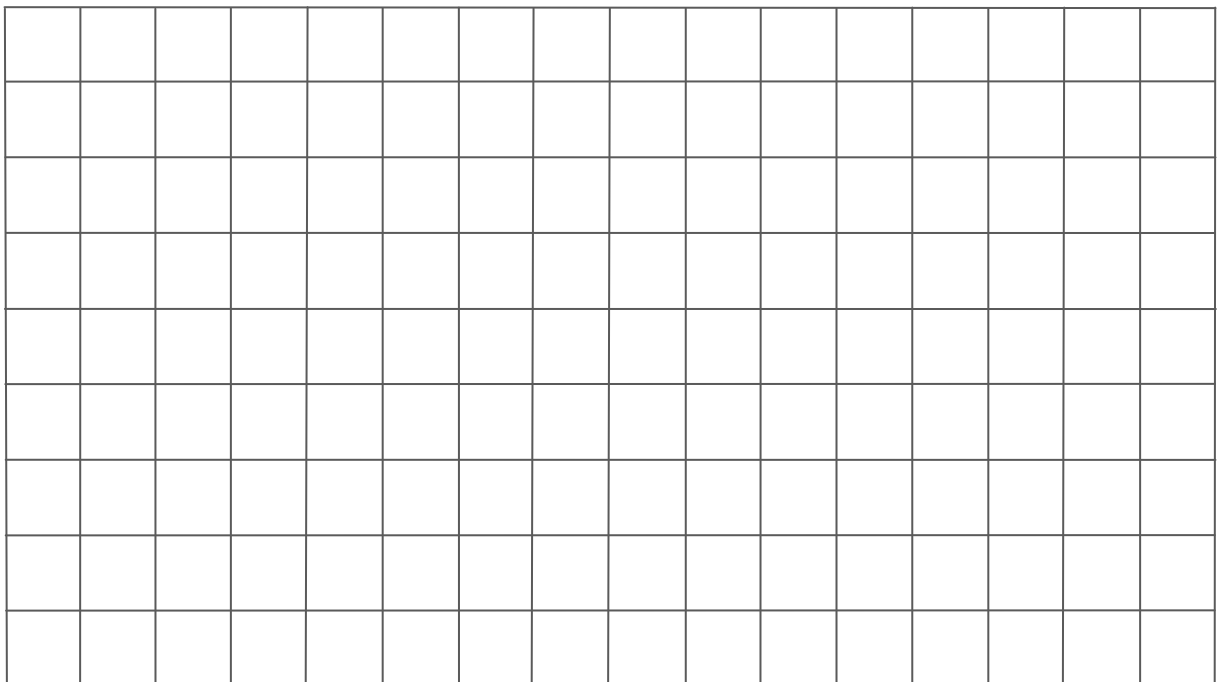
3) Draw the line segment $\overline{XY}$ of length 7 cm.

4) On the lattice, draw a rectangle whose two
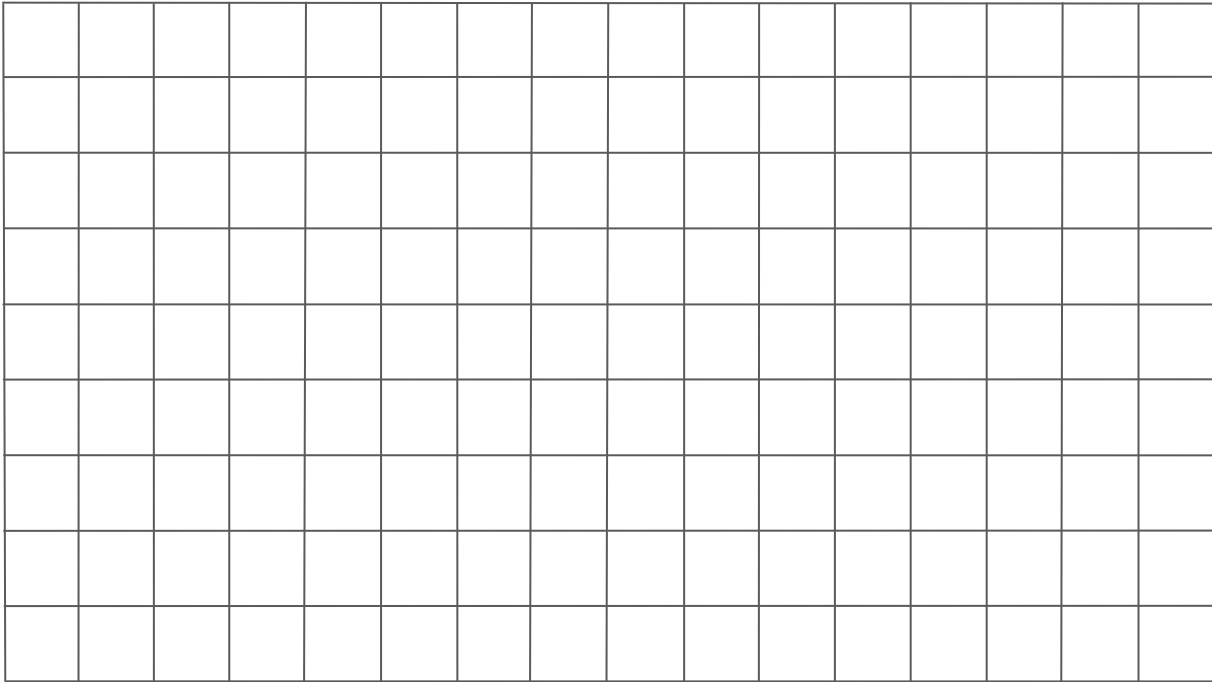
Dimensions are 2 cm and 4 cm.
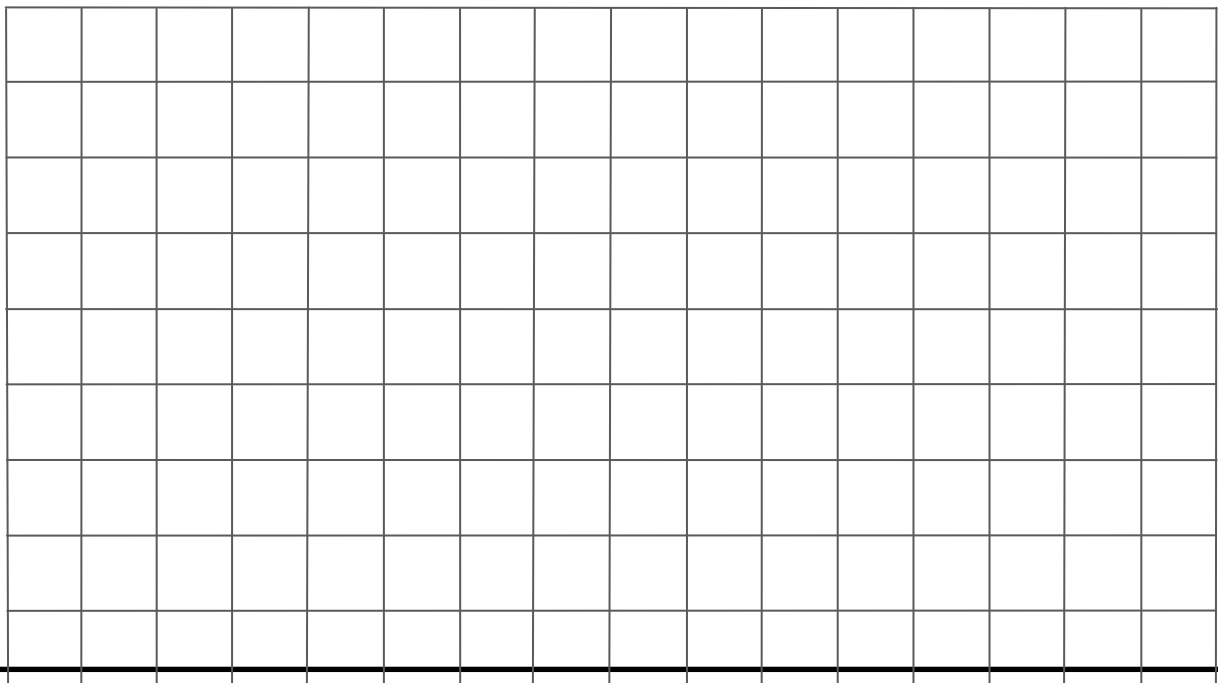
5) On the lattice, draw the rectangle ABCD where

AB= 5 cm , BC = 3 cm

6)Draw a square whose side length is 4 cm long.
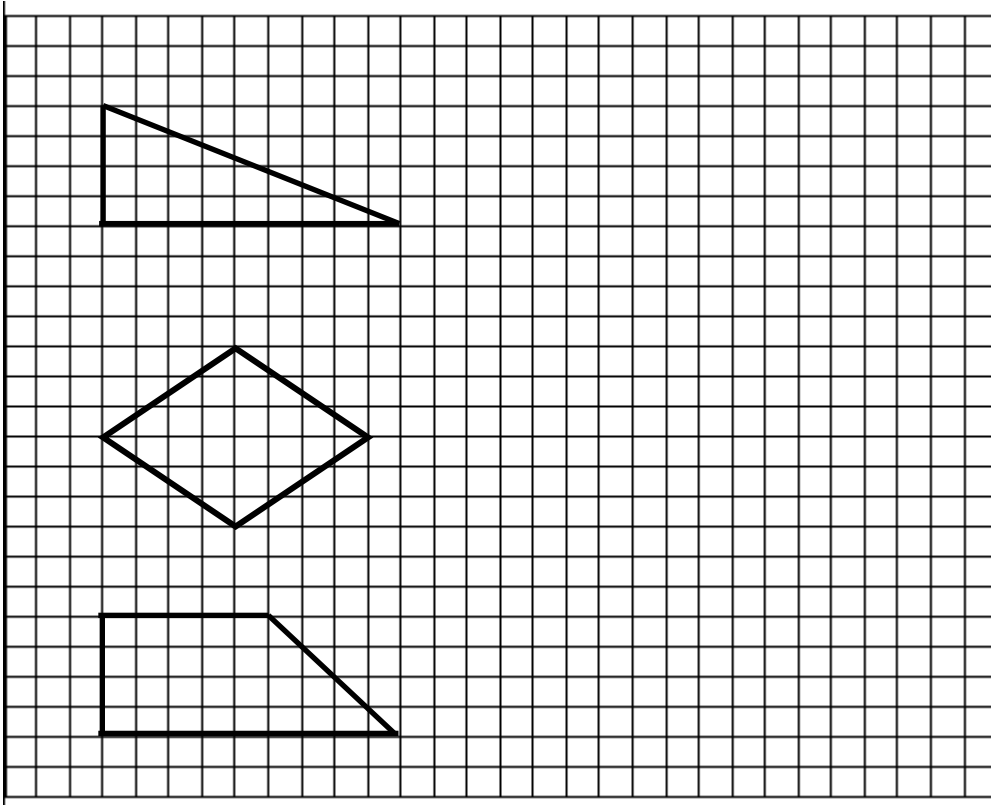
7) Draw square ABCD whose side length is 6 cm long.

Congruent Figures

On the right side draw a figure congruent with the polygon on the left side:

Draw On the right a figure to have two congruent figures :

Visual patterns

1) Complete in the same pattern:

◯ △ ◯ △ ◯ △ ....

◯ ◯ □ □ ◯ ◯ □ ....

▲ ▽ ▲ ▽ ▲ ....

◯ ◯ ◯ △ △ ◯ ◯ ....

△ ■ △ △ ■ ■ △ △ △ ....
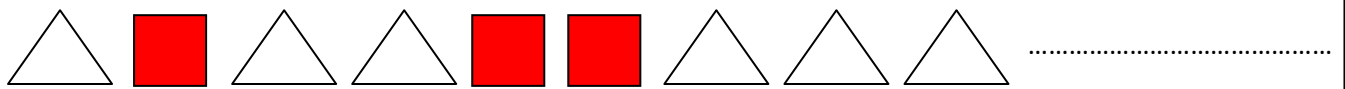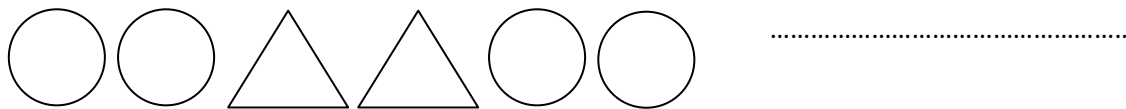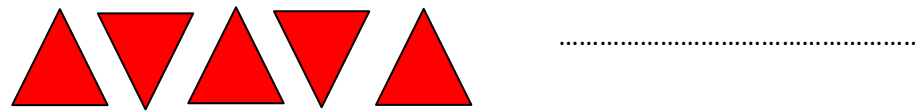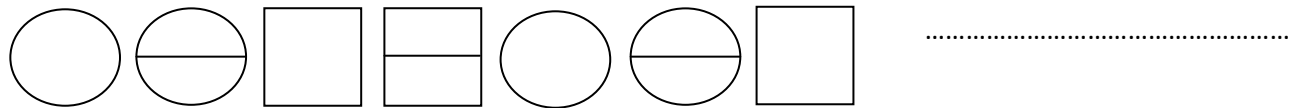
2) Complete in the same pattern:

a) AB, ABB , ABBB , ... , ...

b) 1223, 1224 , ... , ...

c) △□◯ △□◯ ....

d) ↑→↓← ↑→↓← ↑ ....

e) + = ++ = +++ = ...

f) ■□△▲ ■□△▲ ■ ....

g) KMM KKMMM KKKMMMM....................................

h) □□□▲ □□□▲   ....

i) ab ,abb , abbb , ...

j) RD , RDR , RDRD , RDRDR , ...
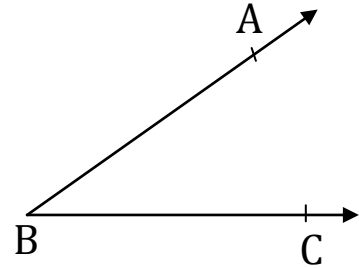
k) ABC , ABCA , ABCAB, ...

The Angle

The angle: consists of 2 rays having the same starting point

Name : ∠ ABC ,or ∠ CBA , or ∠ B

Sides : $\overrightarrow{BA}$, $\overrightarrow{BC}$

Vertex : B

The types of angle:

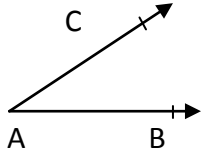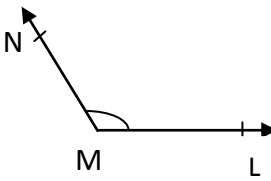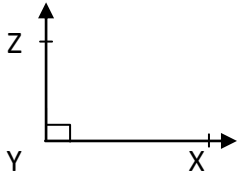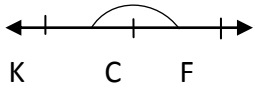| Zero angle	Acute angle	Right angle	Obtuse angle	Straight angle
Its measure is equal to 0°	Its measure is more than 0° and less than 90°	Its measure is equal to 90°	Its measure is more than 90° and less than 180°	Its measure is equal to 180°

Notes:

- The angle between the two hands of a clock is <u>zero</u> angle when the time is (12) o'clock
- The angle between the two hands of a clock is <u>acute</u> angle when the time is (1 , 2 , 10 , 11) o'clock
- The angle between the two hands of a clock is <u>right</u> angle when the time is (3 , 9) o'clock
- The angle between the two hands of a clock is <u>obtuse</u> angle when the time is (4 , 5 , 7 , 8) o'clock
- The angle between the two hands of a clock is <u>straight</u> angle when the time is (6) o'clock

Exercises

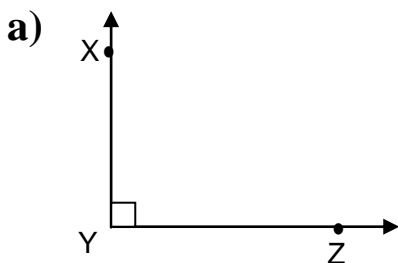**1)Complete the table as in the example:-**

	The angle	The name of angle	The vertex	The two sides
(a)	C / A B	∠ CAB or ∠ BAC or ∠ A	A	AB and AC
(b)	N / M L	……………. or ……………. or …………….	……………	……… and ………
(c)	Z / Y X	……………. or ……………. or …………….	……………	……… and ………
(d)	K C F	……………. or ……………. or …………….	……………	……… and ………

2) Write the type and the vertex of each of the following angles:

a)

X / Y Z

The type of the angle is ………..

Its vertex is ……….

b)

C / B A
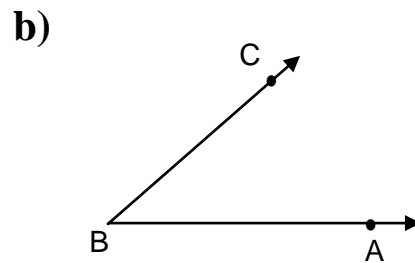
The type of the angle is………….

Its vertex is……………

3) Complete as in the example:-

	The angle	Its name	Its type	Its vertex	Its sides
(a)	A ↗ B C →	∠ ABC Or ∠ CBA Or ∠ B	Obtuse angle	B	$\overrightarrow{BA}$ and $\overrightarrow{BC}$
(b)	X ↑ Y Z →	………….. Or …………. Or ………….	………….	………….	…… and ……
(c)	N L ← M	………….. Or …………. Or ………….	………….	………….	…… and ……
(d)	C B A →	…………. Or …………. Or ………….	………….	………….	…… and ……
(e)	C B A	…………. Or …………. Or ………….	………….	………….	…… and ……

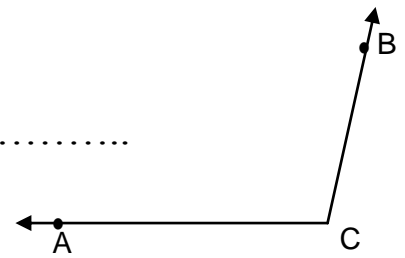## 4) Use the opposite figure to complete:

a) The name of the angle is ……………..

b) The sides of the angle are …………..and …………..

c) The vertex of the angle is ……………

d) The type of the angle is ………….

5) Use the opposite figure to complete:

a) The sides of the ∠ ACB are ……… , ……..

b) The sides of the ∠ BCZ are …….. , ……....

c) The vertex of the ∠ YCB is ……………

d) The type of the ∠ACY is …………
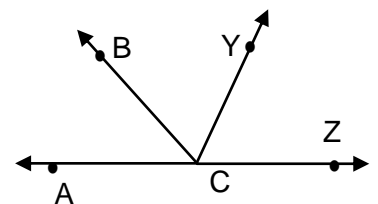
6) Find the measure of each of the following angles using the protractor:
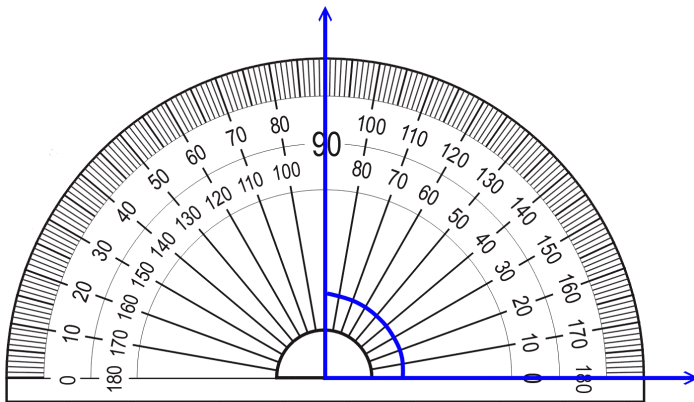
Its measure = ……°
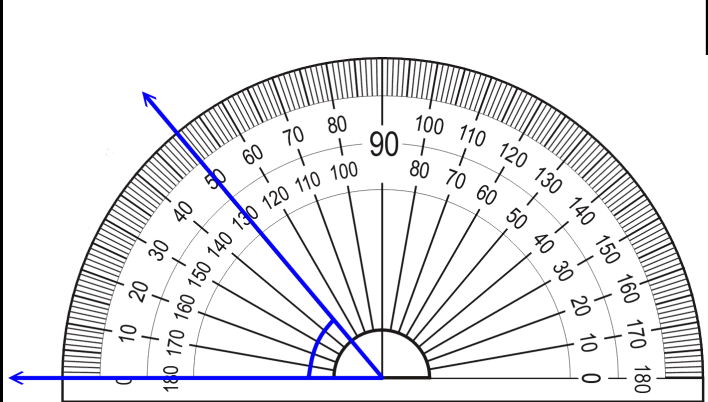
Its measure = ……°
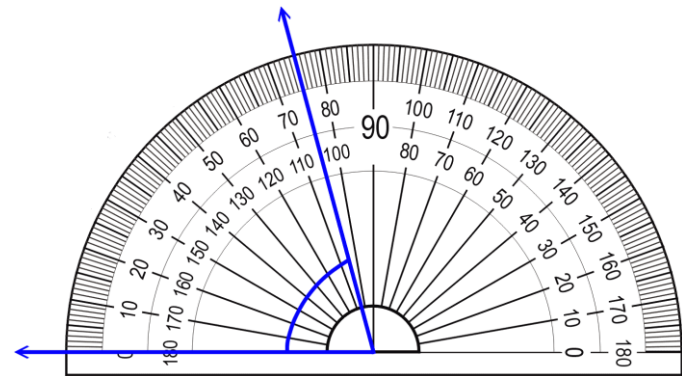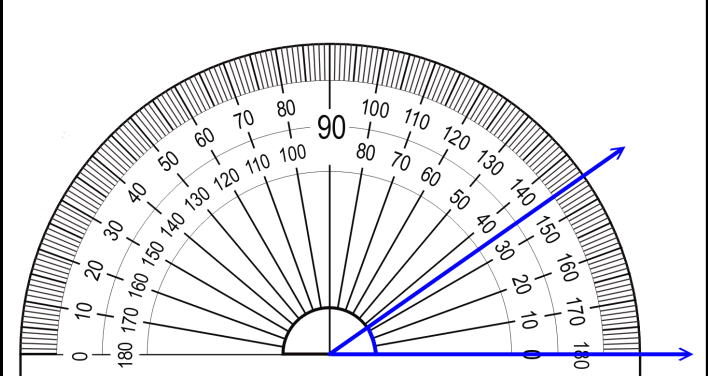
Its measure = ……°
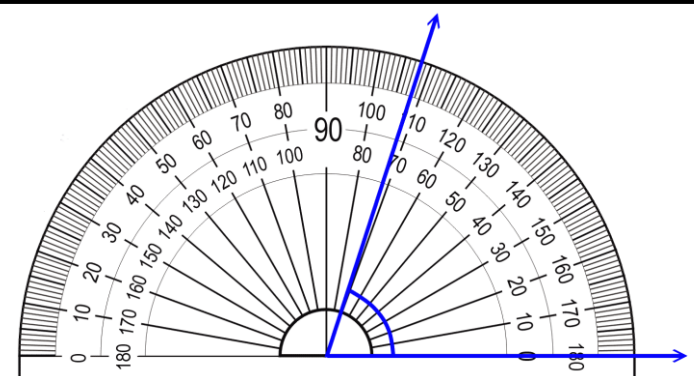
Its measure = ……°
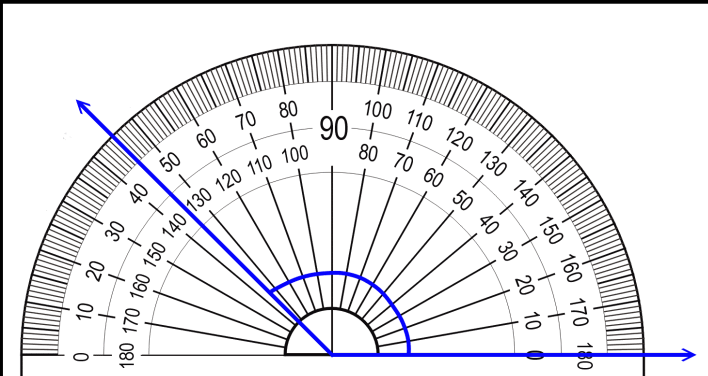
Its measure = ……°

Its measure = ……°

7) Draw the following angles

a) ∠ABC **of measure** 70°	**b)** ∠XYZ **of measure** 90°
c) ∠ABC **of measure** 95°	**d)** ∠XYZ **of measure** 90°
e) ∠MNO **of measure** 86°	**f)** ∠KHL **of measure** 47°

8) Find the measure of each of the following angles using the protractor:

a)

_____

b)

_____

c)

_____

d)

_____

e)

_____

f)

_____

g)

_____

h)

_____
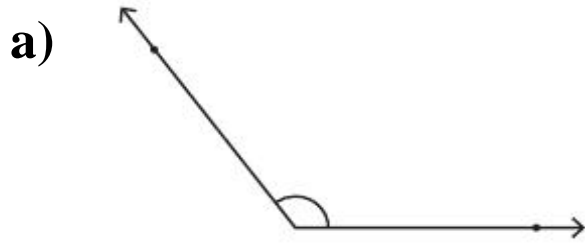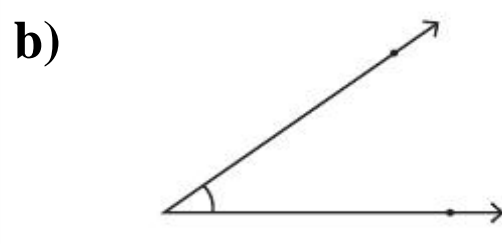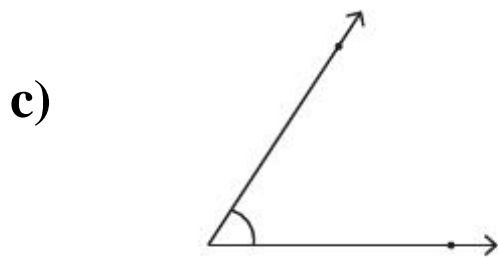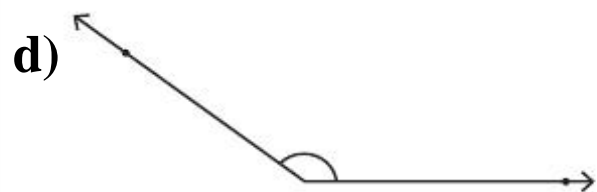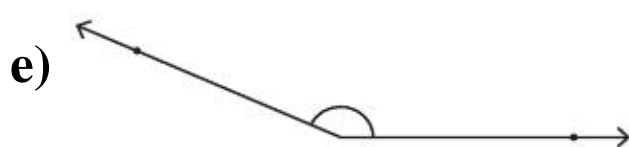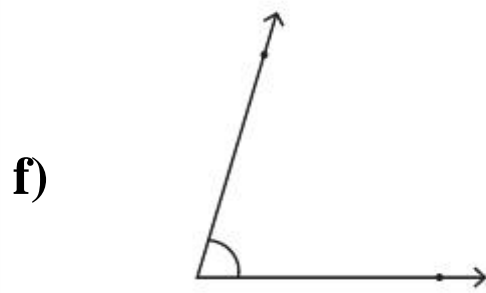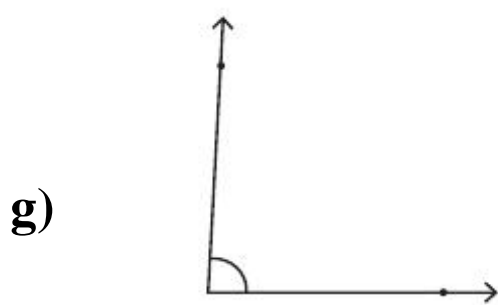
9) Determine the type of the angle included between the two hands of the clock:-

(clock row 1)

_____   _____   _____

(clock row 2)

_____   _____   _____

(clock row 3)

_____   _____   _____

10) Complete:-

a) The measuring unit of the angle is the ………….

b) The geometric tool that is used for measuring angles is called ……………………

c) When it is one o'clock, then the kind of the angle between the two hands of the clock is an…………………………. angle.

d) The vertex of the angle ABC is ……………………

e) The angle whose measure is 90° is called ………….angle

f) The angle whose measure is 130° is called ………….angle

g) The angle whose measure is 180° is called ………….angle

h) The angle whose measure is 91° is called ………….angle

i) The angle whose measure is 45 ° is called ………….angle

j) The vertex of angle XYZ is ……. and its sides are…..,……

k) When it is nine o'clock, then the kind of the angle between the two hands of the clock is an…………………………. angle.

l) When it is eleven o'clock, then the kind of the angle between the two hands of the clock is an…………………………. angle.

11) Choose the correct answer :

a) The measure of acute angle is ………….

(90° - less than 90° - more than 90 ˚)

b) The measure of obtuse angle is ………….

(90° - less than 90° - more than 90 °)

c) The measure of straight angle is……..   (90° - 180° - 360°)

d) The measure of right angle is …………   (90° - 180° - 360°)

e) When it is eight oʹclock, the angle between the hands of the clock is

…………… angle .   (acute – obtuse – right)

f) The angle between the hands of the clock is a right angle when it is

………….   (2 o'clock – 3 o'clock – 6 o'clock)

g) $\overrightarrow{LK}$, $\overrightarrow{LM}$ are the two sides of the angle   (∠ KLM , ∠ LMK , ∠ MKL)

12) Complete:

a) The angle whose measure is $95°$ is called …………….. angle

b) The measure of the obtuse angle is less than the measure of

…………………… angle

c) The measure of the acute angle is greater than ……° and

less than ……°

d) The measure of the obtuse angle is greater than ……° and

less than ……°

e) The measure of the right angle = ...°

f) The measure of the straight angle = ...°

g) When it's 2 o'clock the angle between the hands of the clock

is .... angle

h) When it's 4 o'clock the angle between the hands of the clock

is .... angle

i) When it's 3 o'clock the angle between the hands of the clock

is .... angle

j) When it's 6 o'clock the angle between the hands of the clock

is .... angle

k) When it's 11 o'clock the angle between the hands of the

clock is .... angle

l) The measure of the straight angle equals twice of the

measure of the .... angle

13) Complete the following:

a)
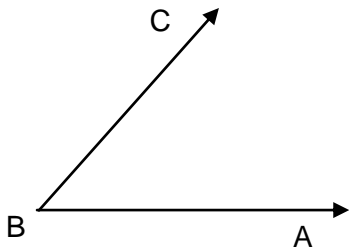
m(∠ABC) = ……………….

Its type is …………………

b)
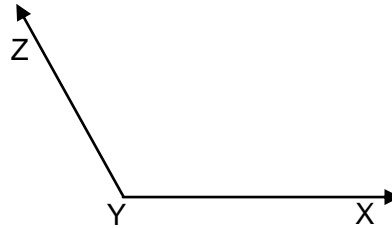
m(∠XYZ) = ……………..

Its type is …………………

c)
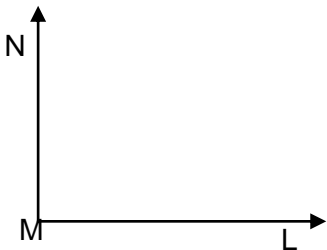
m(∠LMN) = ……………….

Its type is …………………

d)
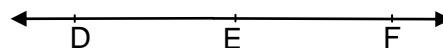
m(∠DEF) = ……………….

Its type is …………………

e)
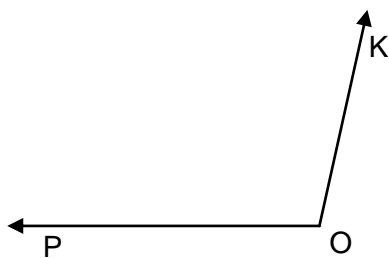
m(∠KOP) = ……………….

Its type is …………………

f)
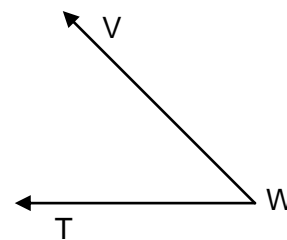
m(∠VWT) = ……………….

Its type is …………………

Model 1

First : Choose the correct answer:

1) $24 \div 3 = 2 \times$ ......   a) 5   b) 4   c) 6

2) **Ten thousand is the smallest number formed from ...... digits**

                                                a) 6   b) 5   c) 4

3) $\overrightarrow{MN}$, $\overrightarrow{MR}$ **are the two sides of the angle**   a) ∠MNR b) ∠RNM   c) ∠NMR

4) The smallest 5- different digit number ⬜ The greatest 4- different digit number

                                                a) <   b) >   c) =

5) **Which of the following arranged in a descending order**
   a) 63254, 74265, 85790, 97521
   b) 85790, 97521, 74265, 63254
   c) 97521, 85790, 74265, 63254

6) **The angle whose measure is $95°$ is called .... angle.**

                              a) acute   b) right   c) Obtuse

7) **A father wants to distribute 25 bars of chocolate among his 5 sons, This situation needs:**   a) addition   b) multiplication   c) division

8) **The measure of the straight angle equals twice of the measure of the .... angle**   a) acute   b) right   c) Obtuse

9) **Nour has 5 coins of L.E 1, 3 note bank of L.E 10, and 9 note bank of L.E100. Then the total is ....**   a) 395   b) 935   c) 539

10)   **The solid which has 2 circular bases is ....**

                              a) cone   b) cylinder c) sphere

11)   **The smallest number from the digits: 8, 0, 5 and 6 is:**

                              a) 6058   b) 5068   c) 8506

12)   **Twenty five thousand and fifteen:**   a) 1515   b) 25015   c) 2515

13) $5 \times 9 = 40 +$ ......   a) 5   b) 9   c) 1

Second : Complete :

1) The number just before 70000 is ……………

2) $7 \times 8 = 7 \times 4 \times$ ....

3) Twenty six thousand and three = ……………… (in digits)

4) The measure of the right angle = ……° ,

   the measure of the straight angle = ……°

5) When it's 2 o'clock the angle between the hands of the clock is ……….. angle

6) 36900 + …………...= 39900

Third : Solve the following problems:

1) Sally had L.E 9000, She bought a computer for L.E 6500.

How much money was left with her?

The left money=……………………………………………………………………...

2) Complete in the same pattern: 47800 , 48600 , …………… , ……………

3)Draw ∠XYZ of measure 120º and **determine** its type.
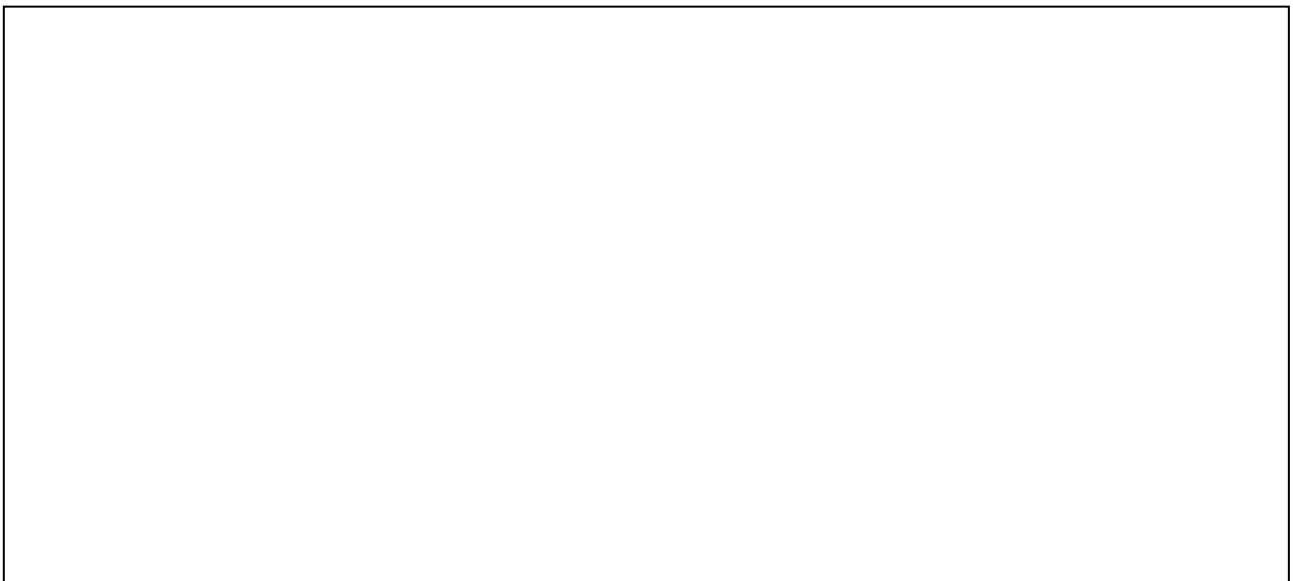
Model 2

First : Choose the correct answer:

1) The place value of 7 in the number 27528 is ....

(hundreds, thousands , tens)

2) The measure of the right angle is ....   (180° , 90° , 108°)

3) The closest number to 4272 – 389 is ....   (3000, 4000, 2000)

4) Ten thousand is the smallest number formed from ....   (6, 5, 4)

5) The angle has only .... vertex   (one, two, three)

6) The smallest number formed from the digits (5, 3, 2, 1 and 8) is

....   a) 5321   b) 85321   c) 12358

7) A number consists of 5 digits: units zero, hundreds 3, thousands 9,

tens 8 and ten thousands 7 ....

a) 93780   b) 79083   c) 79380

8) A Teacher distributes equally 35 pens among 7 pupils. How many

pens does each of them take? a) 5 pens b) 6 pens   c) 7 pens

9) $24 \div 6$ .... 2×6 a) $>$ b) $<$ c) $=$

10)   Twenty four thousands, seven hundreds and one is written as

....   a) 24917   b) 24701   c) 24107

11)   .... $\times 3 > 6 \times 3$ a) 4   b) 5   c) 8

12)   When dividing the number represented in the opposite figure by 7,

the result is ....   a) 2   b) 6   c) 8

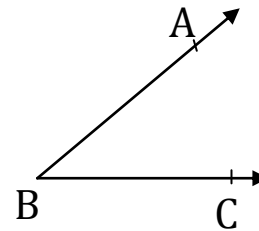13) $2 + 4 \times 10 + 5 \times 100 + 2 \times 1000 =$ ....

a) 5242   b) 4252   c) 2542
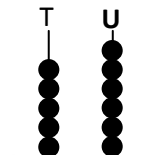
Second : Complete :

1) The cube has …………… edges

2) $5643 + ………… = 4125 + …………$

3) The number just after 6799 is ……………

4) The smallest number formed from 5, 2, 9 and 3 is ……………

5) The measure of the acute angle is less than ……………

6) $90 + 800 + 9000 = ………………$

Third : Solve the following problems:

1) Look at the figure then complete:

a) The name of the angle is …………

b) The vertex is ……… and its sides are ………….. , ………….

c) Its type is ………….

2) Find the result:

a)   48517
   + 24580
   ───────
   …….……

b)   74825
   - 41635
   ───────
   …….……

c) $60000 – 9999 = ……………$

3) Amira bought a car for 87000 pounds and a T.V for 5740 pounds.

How much money did she pay?

………………………………………………………………………………………………………