

# Revision for primary five ④

[1] The set of natural numbers and representing it on the number line:

① Use  $\in, \notin, \subset, \not\subset$ :

①  $\{3, 6\} \cap \{4, 9\} = \dots N$

②  $\{1, 10\} \cup \{1, 0.5\} = \dots N$

③  $8 - 10 = \dots N$

② Represent the following answers on the number line

①  $2 \times 4 = \dots$

③  $7 - 2 = \dots$

②  $4 + 3 = \dots$

④ the set of natural number less than 5

[3] Complete:

①  $45 \times \dots = 125 \times \dots$  (..... property)

②  $(12 \times 4) \times \dots = 12 \times (\dots \times 7)$  (..... property)

③  $15 \times \dots = \dots \times 15 = 15$

④  $7 \times (4 + \dots) = 7 \times \dots + 7 \times 5$  (..... property)

⑤ ..... is the multiplicative identity element, ..... is additive identity.

[4] Use the commutative and associative property to Find result:

①  $25 \times 48 \times 4$

②  $125 \times 17 \times 16$

[5] Use the distributive property to find the result:

①  $45 \times 102$

②  $25 \times 99$

## 2] Equations:-

1] Solve the following equations:-

①  $x + 9 = 17$

②  $y - 3 = 3$

③  $4m = 24$

④  $\frac{1}{2}x = 7$

⑤  $2x - 5 = 5$

⑥  $\frac{1}{3}y - 2 = 0$

2] Write the following equations and solve it:-

① Three times a number is added to 1 is 4

② Twice a number is 50

③ The age of Ahmed after nine years is 20

④ product of 9 and a number minus 5 is 4

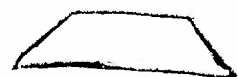
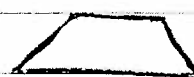
3] Complete in the same pattern:-

① 3, 3, 6, 9, 15, 24, ---, ---, ---

② 1, 2, 6, 24, ---, ---, ---

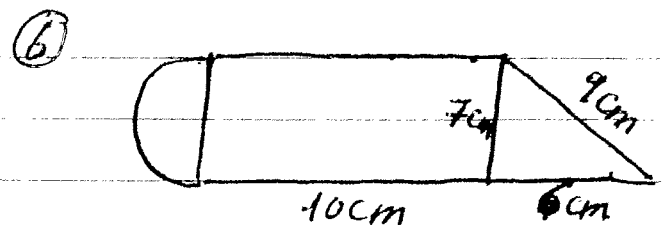
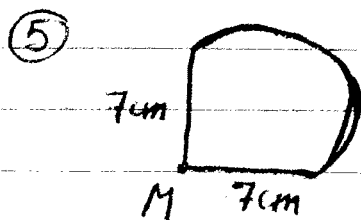
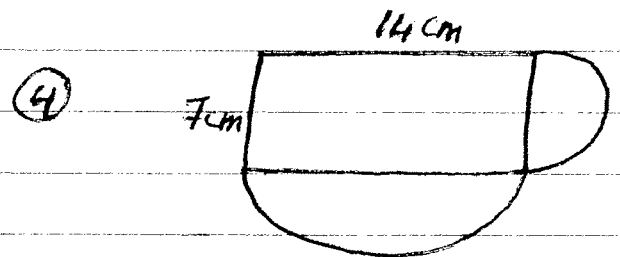
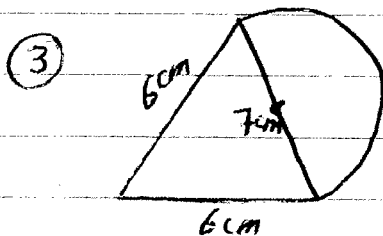
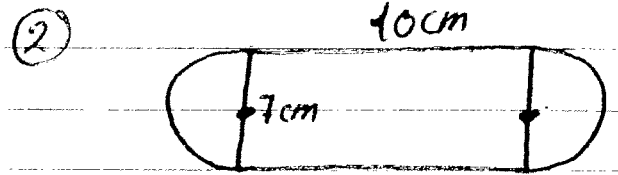
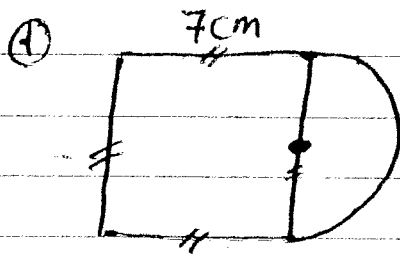
③ 10, 30, 60, 100, ---, ---, ---

4] Write below each shape the type of the geometric transformation (reflection, translation, rotation):-



## Circumference of a circle:-

- [1] Which is greater, the perimeter of a rectangle of dimension 8cm and 5cm or the circumference of a circle of radius 7cm. ( $\pi = \frac{22}{7}$ ).
- [2] Find the difference between perimeter of square with side length 10cm and circumference of a circle of diameter 21cm ( $\pi = \frac{22}{7}$ ).
- [3] The circumference of a circle is 31.4 cm then its radius length is \_\_\_\_\_ cm. ( $\pi = 3.14$ ).
- [4] Find the perimeter of the following shapes:- ( $\pi = \frac{22}{7}$ )



### [5] Complete:-

- ① If circumference of a circle is  $10\pi$  cm, then its radius = \_\_\_\_\_ cm.
- ② Circumference of a circle =  $2\pi \times \dots \times \dots$
- ③ The diameter length =  $2 \times \dots$

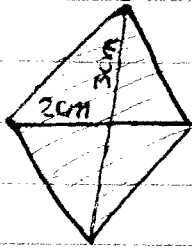
## Area of triangle, parallelogram, rhombus, square and rectangle. ④

- [1] Complete:
- ① If the area of a triangle is  $180 \text{ cm}^2$  and its height is  $10 \text{ cm}$  then its base length is  $\text{--- cm}$ .
  - ② If the perimeter of an equilateral triangle is  $24 \text{ cm}$  and its height is  $10 \text{ cm}$  then its area is  $\text{--- cm}^2$ .
  - ③ If the area of a triangle is  $24 \text{ cm}^2$  and its height is  $4 \text{ cm}$  then its base length is  $\text{--- cm}$ .
  - ④ The area of parallelogram =  $\text{---} \times \text{---}$
  - ⑤ If the lengths of two diagonals in a rhombus is  $20 \text{ cm}$  and  $10 \text{ cm}$  then its area is  $\text{--- cm}^2$
  - ⑥ In a rhombus with perimeter  $12 \text{ cm}$  and its height  $4 \text{ cm}$  then its area is  $\text{--- cm}^2$ .
  - ⑦ In a square, if its side length is  $10 \text{ cm}$  then its area is  $\text{--- cm}^2$
  - ⑧ The length of a diagonal in a square is  $6 \text{ cm}$  then its area is  $\text{--- cm}^2$ .
  - ⑨ The perimeter of a square is  $20 \text{ cm}$  then its area is  $\text{--- cm}^2$ .
- [2] Two pieces of land, the first is the squared shape with side length  $12 \text{ m}$  and the second is rhombus with diagonals  $20 \text{ m}$  and  $14 \text{ m}$ . Find the difference between of their areas.
- [3] A square has area  $16 \text{ cm}^2$  then find the side length.
- [4] A square with area  $8 \text{ cm}^2$  find its diagonal length.
- [5] In a rhombus with side length  $6 \text{ cm}$  and height  $4 \text{ cm}$  and if the length of one diagonal is  $8 \text{ cm}$  Find the length of other diagonal.
- [6] The area of square with side length  $6 \text{ cm}$  = the area of a rectangle with length  $9 \text{ cm}$  and width  $\text{--- cm}$ .

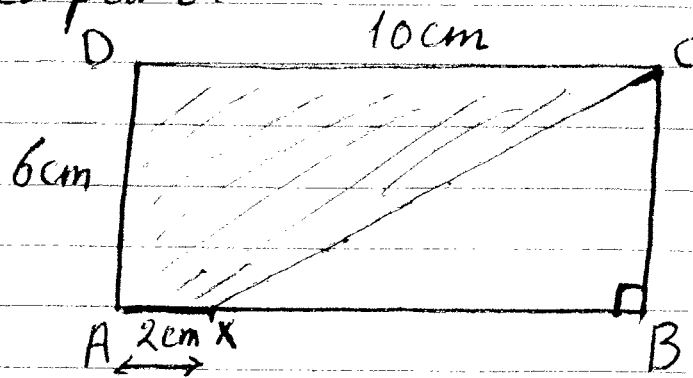
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\* Find the area of shaded part:-

(1)

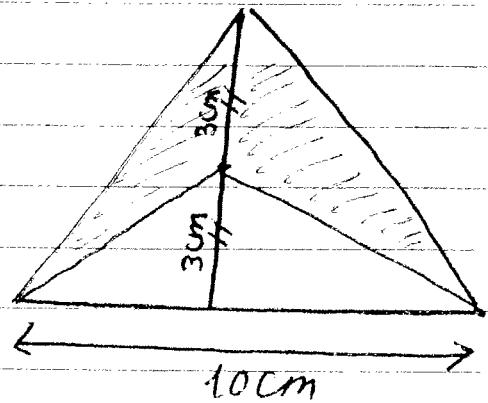
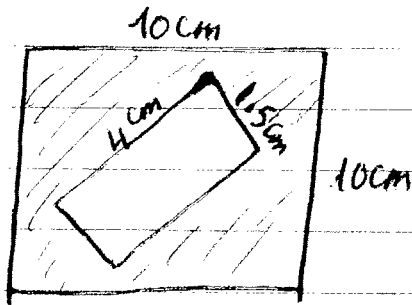


(2)

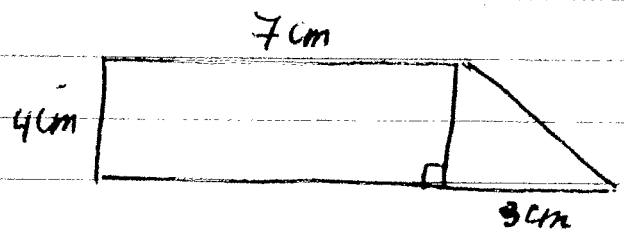
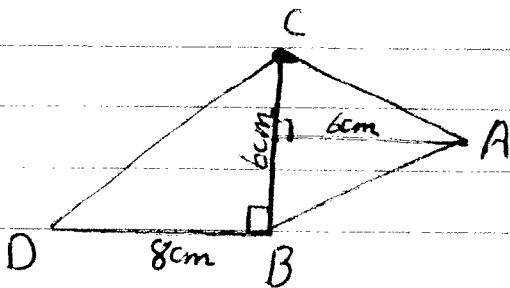


(4)

(3)



\* Find the area of the following shapes:-



\* Draw a histogram for the following distribution:-

Sets	0-	10-	20-	30-	40-
Freq.	4	8	11	7	5

\* The table below shows the number of books in school library in different subjects:

Represent these data by a pie chart.

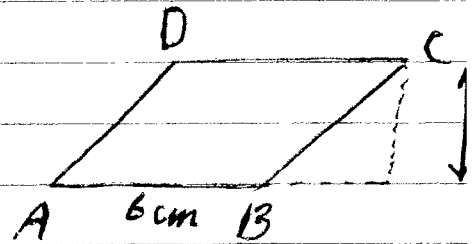
Math	Arabic	English
20	40	20

1\* Represent the following data in the table by a pie chart:

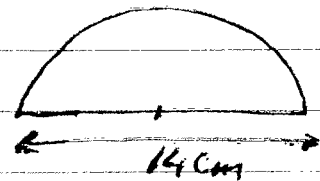
Grade	1 <sup>st</sup>	2 <sup>nd</sup>	4 <sup>th</sup>
Students	$\frac{1}{4}$	$\frac{1}{4}$	.....

2\* Connect the points  $A(1, 2)$ ,  $B(3, 9)$ ,  $C(5, 2)$ ,  $A(1, 2)$  in the order  $A \rightarrow B \rightarrow C \rightarrow A$  then draw the line of symmetry.

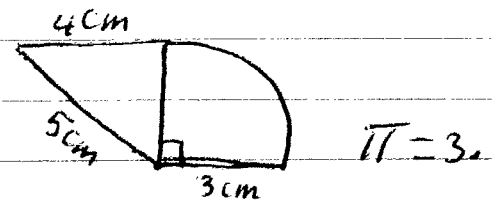
3\* The area of the parallelogram ABCD is  $30\text{cm}^2$ ,  $AB = 6\text{cm}$ . Find the height.



4\* Find the perimeter of this figure



5\* Find the perimeter of this figure.



6\* If the radius of the tyre of a bicycle is 33 cm, what is the distance cut by the bicycle in 100 whole rotations? ( $\pi = 3.14$ )

7\* The weights of 40 pupils

41	37	40	42	44	41	45	38
42	43	37	38	42	46	39	45
40	36	40	38	42	42	41	40
43	39	40	41	39	41	43	40
39	38	35	46	44	36	44	43

a) Make a frequency table using the sets: 35-38, 41.

b) Draw a histogram and a frequency polygon to represent data.