

Mathematics

Class III

Topic :-

1. REVISED SYLLABUS OF MATHEMATICS Pre-mid term.
2. Shapes and design
3. Can we share.
- 4 .How many times .

Revised syllabus of MATHEMATICS in pre – mid term :-

Chapters serial no.	Chapters name
1.	Where to look from?
2.	Fun with numbers .
3.	Give and take .
5.	Shapes and designs .
9.	How many times?
12.	Can we share?

>> Mental math topics:-

α Number series

α Missing numbers

α counting triangles & counting shapes

Shapes and designs (Recapitulation)

Lines, Line Segments, and Rays



A **point** has no size or shape, just position

 M Point M

A **line** is a straight path of points that has no beginning or end.

 Line \overleftrightarrow{XY}





A **line segment** is a portion of a line that has two endpoints.


 Line segment \overline{AB}

A **ray** is a portion of a line which has one endpoint and extends forever in one direction.

 Ray \overrightarrow{PQ}





2D Shapes

Name	Sides	Corners
square 	4	4
triangle 	3	3
rectangle 	4	4
circle 	0	0

- Square :- All sides are equal

- Rectangle:- Opposite sides are equal.

3D shapes

Shape image and name	Number of sides/edges	Number of vertices	Number of faces
Cube 	12	8	6
Cuboid 	12	8	6
Sphere 	0	0	1
Cylinder 	2	0	3

Q.1 Give two examples of each of the following

- i) Cube :-,.....**
- ii) Cuboid :-.....,**
- iii) Cone :-..... ,.....**
- iv) Cylinder:-,.....**
- v) Sphere:-.....,.....**

Solution:-

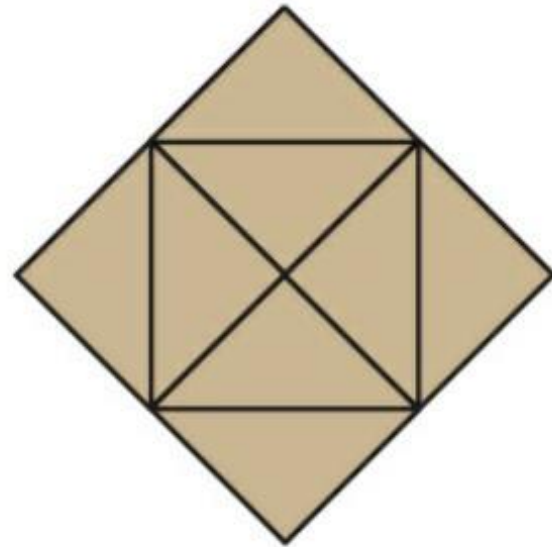
- i) Cube :- Dice , Ice –cube**
- ii) Cuboid:- Almirah, Door.**
- iii) Cone:- Birthday cap , Funnel.**
- iv) Cylinder:- Gas cylinder, Tubelight.**
- v) Sphere: - Globe, Football.**

Q.2 How many triangles are there in the following fig?

a) 12

b) 8

c) 7

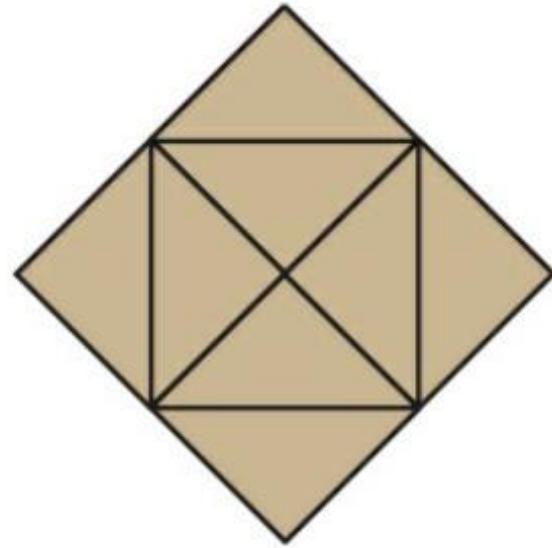


Q.2 How many triangles are there in the following fig?

a) 12

b) 8

C) 7



**Q.3 Multiply using repeated
addition:-**

$$3 \times 4 = ?$$

$$3 \times 4$$

$$= 3 \text{ times of } 4$$

$$= 4 + 4 + 4$$

$$= 12$$

$$\therefore \text{Ans: } 12$$

$$3 \times 4 = 4 \times 3$$

$$= 4 \text{ times of } 3$$

$$= 3 + 3 + 3 + 3$$

$$= 12$$

$$\therefore \text{Ans: } 12$$

Q.4 Fill in the blanks:-

i) $35 = \dots \times \dots = \dots \times \dots$

ii) $13 \times \dots = 0$

iii) $4 \times \dots = 4$

iv) $3 \times 5 = \dots + \dots + \dots + \dots + \dots$

Solution :-

i) $35 = 1 \times 35 = 5 \times 7$

ii) $13 \times 0 = 0$

iii) $4 \times 1 = 4$

iv) $3 \times 5 = 3 + 3 + 3 + 3 + 3$

**Q.5 Multiply using
expanded form:-**

$$272 \times 4$$

$$272 \rightarrow (200 + 70 + 2)$$

$$\times 4$$

$$800 \quad (4 \times 200)$$

$$280 \quad (4 \times 70)$$

$$+ \quad 8 \quad (4 \times 2)$$

$$1088$$

$$\therefore \text{Ans. } 1088$$

**Q.6 Divide by long
division method :-**

$$205 \div 6$$

$$\begin{array}{r} 34 \\ 6 \overline{) 205} \\ \underline{-18} \downarrow \\ 25 \\ \underline{-24} \\ 1 \end{array}$$

$$\therefore \text{Divisor} = 6$$

$$\text{Dividend} = 205$$

$$\text{Quotient} = 34$$

$$\text{Remainder} = 1$$

Thank you
ALL THE BEST TO EVERYONE.