



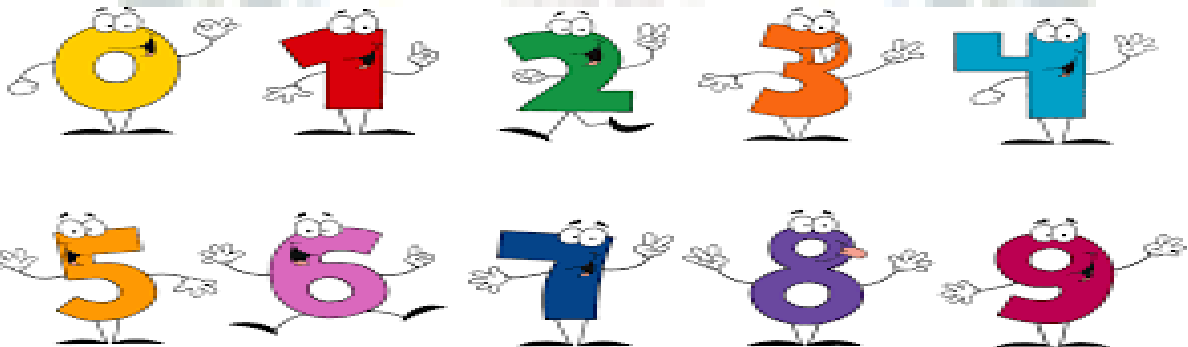
पुर्णा International School
Shree Swaminarayan Gurukul, Zundal

Grade - II

Math

Specimen copy

Year 2022 - 23



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Photograph of student

I am _____.

I study in class _____.

I am ___ years old .

There are _____ pages in my Math's text book.

There are ___ members in my family.

There are _____ students in my class .

Chap - 1

What is Long and what is Round

❖ *Summary*

I. Identify long and round object

II. What rolls what slides

III. Identify which object can roll and which can slides

IV. Things can form a tower

Ex.1 Draw a long and a round object.



Here -

Ball is a round object

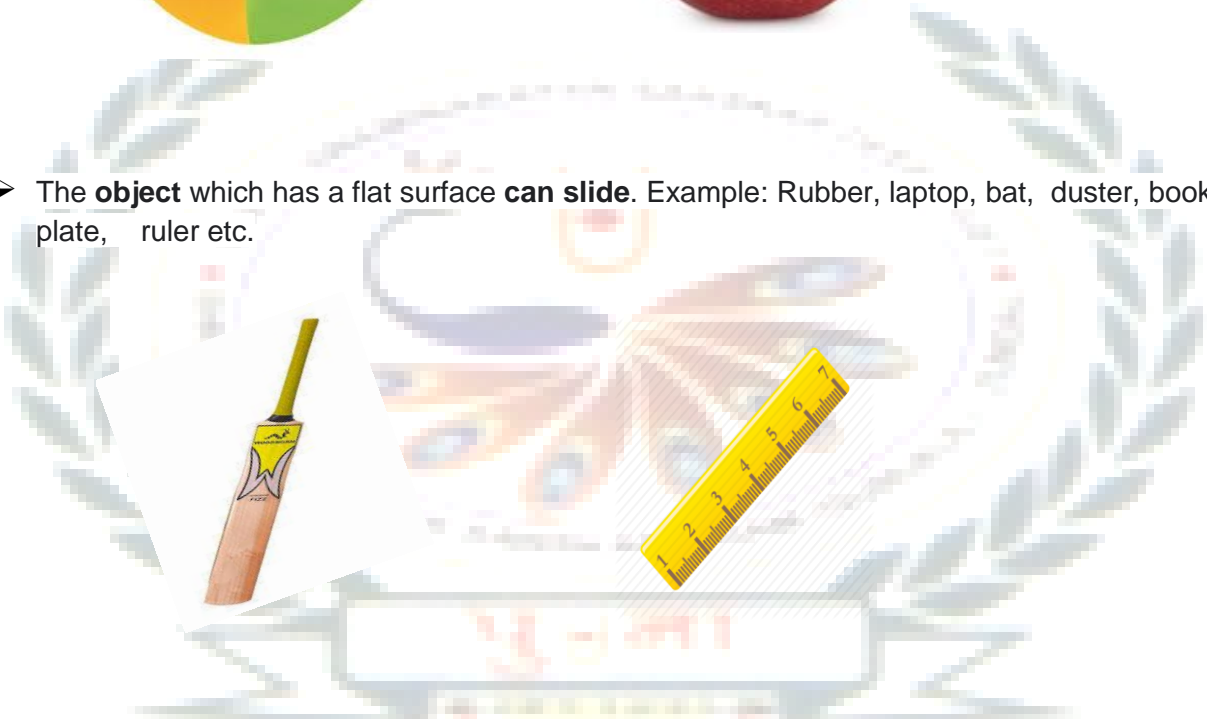
Hockey stick is a long object.

Ex.2 What rolls and What slides.

- The **object** which has a curved surface that is all circular **objects can roll**. Examples: Ball, lemon, orange, apple, football, etc.



- The **object** which has a flat surface **can slide**. Example: Rubber, laptop, bat, duster, book, plate, ruler etc.










































Ex.3 Draw the objects that can rolls and slides both.

Example – Pencil , Markers, coins, bowl, wheels, pen



Activity : (h.w.)

Colour the Smily for correct option.

ROLL 	SLIDE 	Stack 
  	  	  
  	  	  
  	  	  
  	  	  

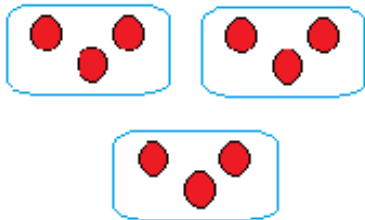
Chap -2

Counting in groups

❖ Summary

- I. Count the given objects
- II. Counting in groups
- III. Less than and more than
- IV. Missing numbers
- V. Ordinal numbers
- VI. Ascending and descending order

Ex 1. Count the given object.



___ 9 ___ cherries



___ 16 ___ smilies



8 stars

Ex 2. Counting in tens.



a) How many groups are there? 2



b) How many faces are there in each group? 2



c) Total number of faces ? $2 \times 2 = 4$



a) How many groups are there? 3



b) How many hearts are there in each group? 2



c) Total number of heart shapes? $3 \times 2 = 6$



a) How many groups are there? 3



b) How many flowers are there in each group? 2



c) Total number of flowers? $3 \times 2 = 6$



Ex3. Put the correct signs (>, <, =) in the blanks.

a	435	\leq	873	f	983	\geq	732
b	161	\geq	116	g	198	\leq	918
c	538	\geq	456	h	811	\geq	462
d	343	$=$	343	i	177	\leq	771
e	122	\leq	197	j	110	\geq	101

Ex.4 Find out the missing numbers.

a	345	<u>346</u>	347	f	879	<u>880</u>	881
b	678	<u>679</u>	680	g	555	<u>556</u>	557
c	432	<u>433</u>	434	h	122	<u>123</u>	124
d	233	<u>234</u>	235	i	985	<u>986</u>	987
e	254	<u>255</u>	256	j	786	<u>787</u>	788

Ex.5 Write ordinal numbers.

1st = first

2nd = second

3rd = third

4th = fourth

5th = fifth

6th = sixth

7th = seventh

8th = eighth

9th = ninth

10th = tenth

Ex. 6 Colour the shapes as followed instruction.

a. Colour the fifth heart.



b. Colour the eighth square.



c. Colour the second star



d. Colour the sixth circle.



e. Colour the tenth triangle.



Ex.7 Arrange the following in ascending order.

1) 44, 85, 88, 78.

Ans. 44, 78, 85, 88.

2) 102,34 , 61,21.

Ans.34, 21, 61,102

3) 49, 14, 25 , 72.

Ans.14, 25, 49, 72

4) 67 ,45 ,97 , 126.

Ans.45, 67, 97,126

5) 32, 30, 23, 15.

Ans.15, 23, 30, 32

Ex6. Arrange the following numbers in descending order.

1)81, 49, 76, 93.

Ans.93, 81, 76,49

2) 40, 23 , 21, 85.

Ans.85, 40, 23, 20.

3)21, 89 ,56, 53.

Ans.89,56, 53, 21.

4) 59, 82 , 129 , 74.

Ans.129, 82, 74,59.

5) 539, 225, 352, 996.

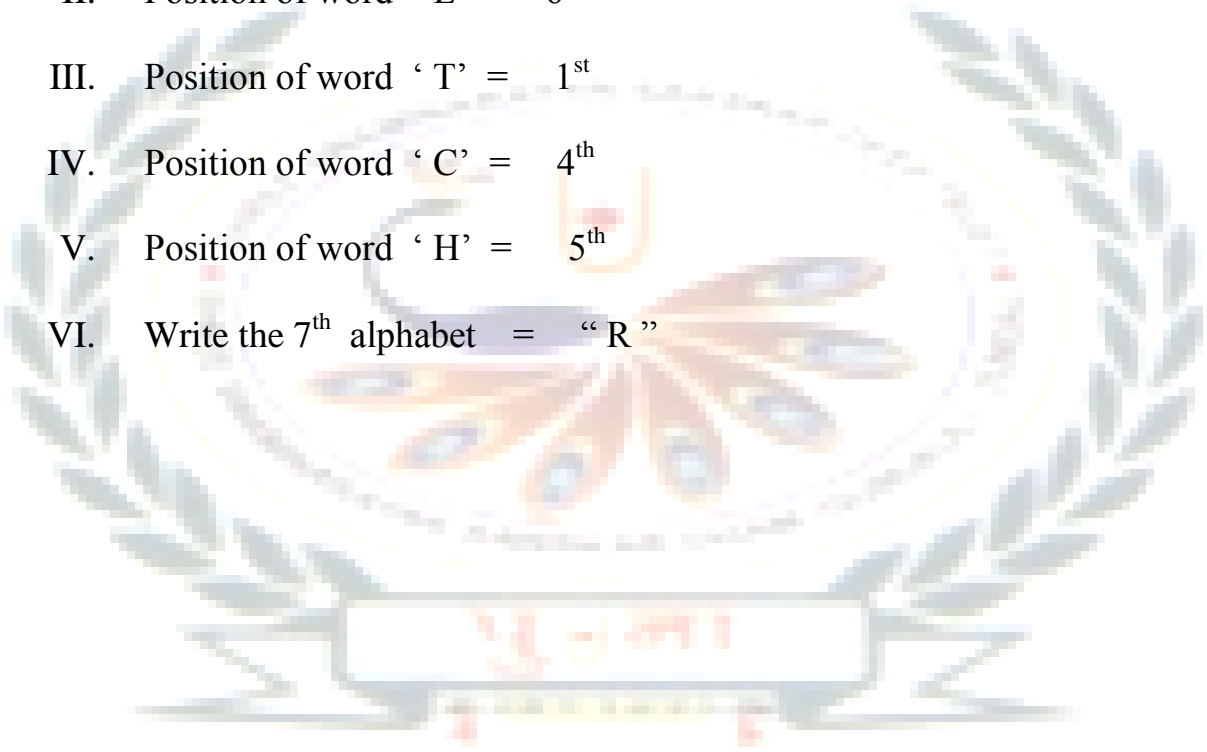
Ans.996, 539, 352,225

Activity(h.w.)

❖ Find the position of given alphabets

Example :- **TEACHER**

- I. Position of word ' A ' = 3rd
- II. Position of word ' E ' = 6th
- III. Position of word ' T ' = 1st
- IV. Position of word ' C ' = 4th
- V. Position of word ' H ' = 5th
- VI. Write the 7th alphabet = " R "



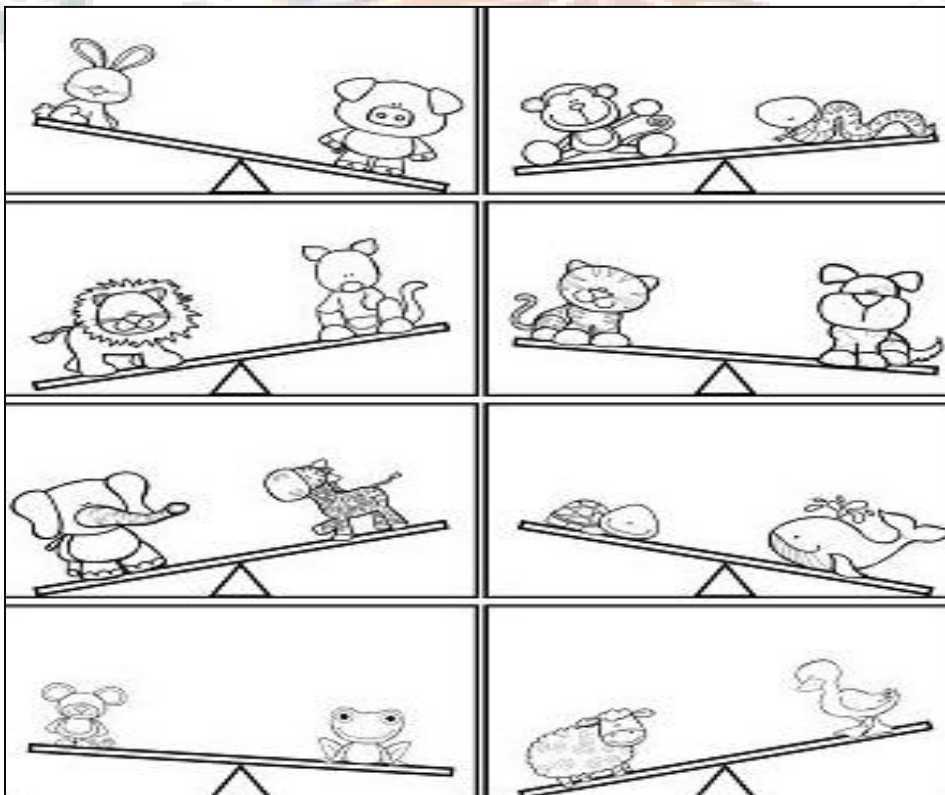
Chap 3

How much you carry

❖ Summary

- I. Identify heavier or lighter
- II. Units of weights
- III. Addition and subtraction of weights

Ex.1 Circle the heavier object. (pasting)



Ex .2Units of weight.

We measure the quantity of solid in grams and kilograms.

Example :Rice , wheat , vegetable , fruits etc.

1 Kilogram = 1000 gram

Or 1 Kg = 1000 g.



Ex.3Addition ofweights

Kg	g.	Kg	g.	Kg	g.
5	300	3	700	6	500
+ 4	250	+ 2	200	+ 1	150
9	550	5	900	7	650

Kg	g.	Kg	g.	Kg	g.
13	000	15	200	18	500
+ 3	500	+ 10	500	+ 2	250
16	500	25	700	20	750

Ex4.Subtraction of weights.

Kg g	Kg g	Kg g
5 560	7 200	3 450
- 3 300	- 2 100	- 2 300
2 260	5 100	1 150

Kg g	Kg g	Kg g
6 750	9 400	8 800
- 3 200	- 6 100	- 2 700
3 550	3 300	6 100

Activity : (h.w.)

➤ **Choose and write the options , which they can carry .**

(a man , a sugar cube , a leaf , logs , carriage , fish , sack of rice .)

An ant - a sugar cube

A camel - all the things

An elephant - all the things

A dog - a sugar cube , a leaf , fish .

A bird - a sugar cube , a leaf , fish .

Chap 4

Counting in tens

❖ Summary

- I. Explain- what is tens and ones
- II. Identify as Tens and ones and write in expanded form
- III. Counting in tens
- IV. Addition of two digit numbers
- V. Addition with carry
- VI. Subtraction of two digits
- VII. Subtraction with borrowing

EX1 .What is tens and ones.



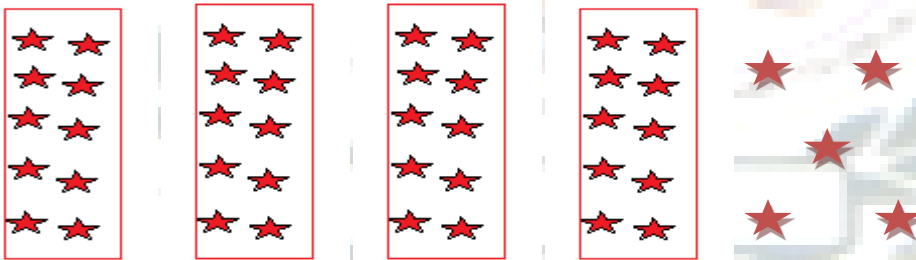
2 bundles of 10 sticks = 2 tens

5 loose sticks = 5 ones

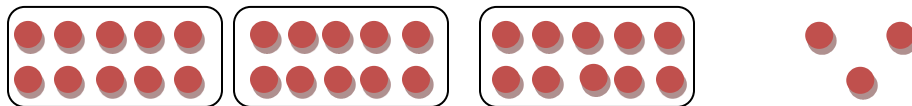
Ex 2. Identify as Tens and ones and write in expanded form .

a.	55	=	5 tens	+	5 ones
	50	+	5		
b.	78	=	7 tens	+	8 ones
	70	+	8		
c.	83	=	8tens	+	3 ones
	80	+	3		
d.	17	=	1tens	+	7 ones
	10	+	7		
e.	30	=	3tens	+	0 ones
	30	+	0		

Ex.3 Counting in tens



$$10 + 10 + 10 + 10 + 5 = 45$$



$$10 + 10 + 10 + 2 = 32$$



$$10 + 10 + 6 = 26$$



$$10 + 10 + 10 = 30$$

Ex. 4 Addition of two digits.

$\begin{array}{r} 23 \\ + 34 \\ \hline \end{array}$	$\begin{array}{r} 56 \\ + 43 \\ \hline \end{array}$	$\begin{array}{r} 21 \\ + 50 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ + 24 \\ \hline \end{array}$
57	99	71	88

$\begin{array}{r} 80 \\ + 14 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ + 66 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ + 23 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ + 22 \\ \hline \end{array}$
94	78	96	68

EX.5 Addition with carry.

$\begin{array}{r} \textcircled{1} \\ 77 \\ + 46 \\ \hline \end{array}$	$\begin{array}{r} \textcircled{1} \\ 38 \\ + 17 \\ \hline \end{array}$	$\begin{array}{r} \textcircled{1} \\ 55 \\ + 26 \\ \hline \end{array}$	$\begin{array}{r} \textcircled{1} \\ 64 \\ + 26 \\ \hline \end{array}$	$\begin{array}{r} \textcircled{1} \\ 25 \\ + 75 \\ \hline \end{array}$
123	55	81	90	100

①	①	①	①	①
45	69	35	26	85
+ 37	+ 24	+ 46	+ 57	+ 16
82	93	81	73	101

Ex.6 Subtraction of two digits

69	94	87	53	67
- 63	- 63	- 34	- 11	- 21
06	31	53	42	46

96	89	79	55	66
- 44	- 23	- 47	- 12	- 41
52	66	32	43	25

Ex.7 Subtraction with borrowing.

$$\begin{array}{r}
 2 \\
 1) \quad \cancel{3} \text{ } ^{13} \\
 - \quad 1 \text{ } 5 \\
 \hline
 1 \text{ } 8
 \end{array}$$

$$\begin{array}{r}
 2 \\
 2) \quad \cancel{3} \text{ } ^{12} \\
 - \quad 1 \text{ } 4 \\
 \hline
 1 \text{ } 8
 \end{array}$$

$$\begin{array}{r}
 1 \\
 3) \quad \cancel{2} \text{ } ^{14} \\
 - \quad 1 \text{ } 5 \\
 \hline
 0 \text{ } 9
 \end{array}$$

$$\begin{array}{r}
 1 \\
 4) \quad \cancel{2} \text{ } ^{10} \\
 - \quad 1 \text{ } 3 \\
 \hline
 0 \text{ } 7
 \end{array}$$

$$\begin{array}{r}
 2 \\
 5) \quad \cancel{3} \text{ } ^{13} \\
 - \quad 1 \text{ } 5 \\
 \hline
 1 \text{ } 8
 \end{array}$$

$$\begin{array}{r}
 3 \\
 6) \quad \cancel{4} \text{ } ^{13} \\
 - \quad 2 \text{ } 6 \\
 \hline
 1 \text{ } 7
 \end{array}$$

$$\begin{array}{r}
 7) \quad \begin{array}{r} 3 \\ 4 \end{array} \begin{array}{r} 12 \\ 5 \end{array} \\
 - \quad \begin{array}{r} 2 \\ 5 \end{array} \\
 \hline
 \begin{array}{r} 1 \\ 7 \end{array}
 \end{array}$$

$$\begin{array}{r}
 8) \quad \begin{array}{r} 2 \\ 3 \end{array} \begin{array}{r} 16 \\ 8 \end{array} \\
 - \quad \begin{array}{r} 1 \\ 8 \end{array} \\
 \hline
 \begin{array}{r} 1 \\ 8 \end{array}
 \end{array}$$

$$\begin{array}{r}
 9) \quad \begin{array}{r} 4 \\ 5 \end{array} \begin{array}{r} 12 \\ 5 \end{array} \\
 - \quad \begin{array}{r} 1 \\ 5 \end{array} \\
 \hline
 \begin{array}{r} 3 \\ 7 \end{array}
 \end{array}$$

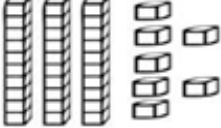
$$\begin{array}{r}
 10) \quad \begin{array}{r} 3 \\ 4 \end{array} \begin{array}{r} 10 \\ 4 \end{array} \\
 - \quad \begin{array}{r} 2 \\ 4 \end{array} \\
 \hline
 \begin{array}{r} 1 \\ 6 \end{array}
 \end{array}$$

$$\begin{array}{r}
 11) \quad \begin{array}{r} 4 \\ 5 \end{array} \begin{array}{r} 13 \\ 7 \end{array} \\
 - \quad \begin{array}{r} 1 \\ 7 \end{array} \\
 \hline
 \begin{array}{r} 3 \\ 6 \end{array}
 \end{array}$$

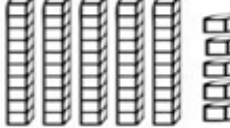
$$\begin{array}{r}
 12) \quad \begin{array}{r} 3 \\ 4 \end{array} \begin{array}{r} 16 \\ 9 \end{array} \\
 - \quad \begin{array}{r} 2 \\ 9 \end{array} \\
 \hline
 \begin{array}{r} 1 \\ 7 \end{array}
 \end{array}$$

➤ *Activity :*

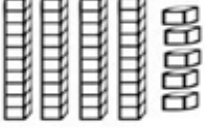
Counting in tens (pasting)

1. 

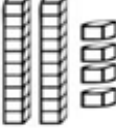
tens	ones
3	7

2. 

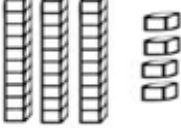
tens	ones
5	5

3. 

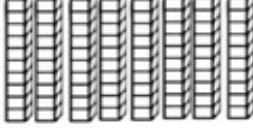
tens	ones
4	5

4. 

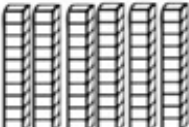
tens	ones
2	4

5. 

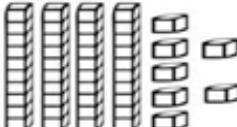
tens	ones
3	4

6. 

tens	ones
8	0

7. 

tens	ones
6	0

8. 

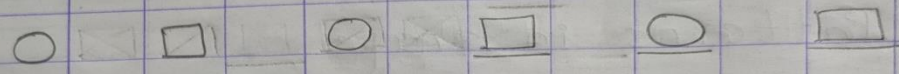
tens	ones
4	7

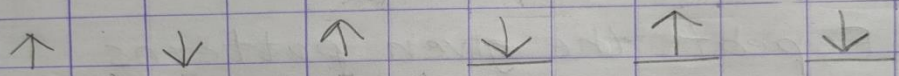
Chap 5 Patterns


Ch-5 Patterns
Summary

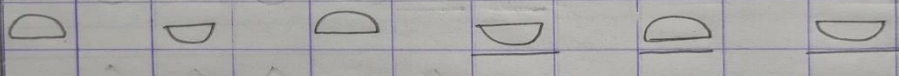
1. Patterns in shape
2. Repeat the given patterns
3. Find the next term

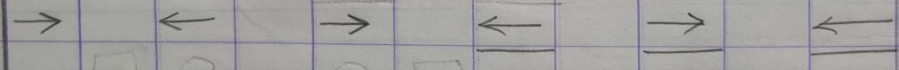
Ex. 1 Draw shapes and complete the patterns.

(i) 

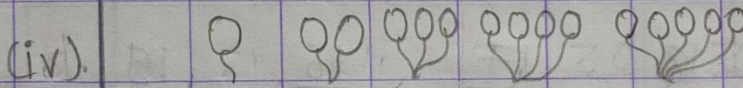
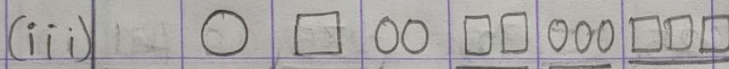
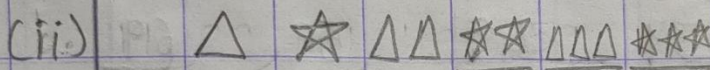
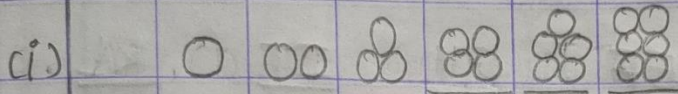
(ii) 

(iii) 

(iv) 

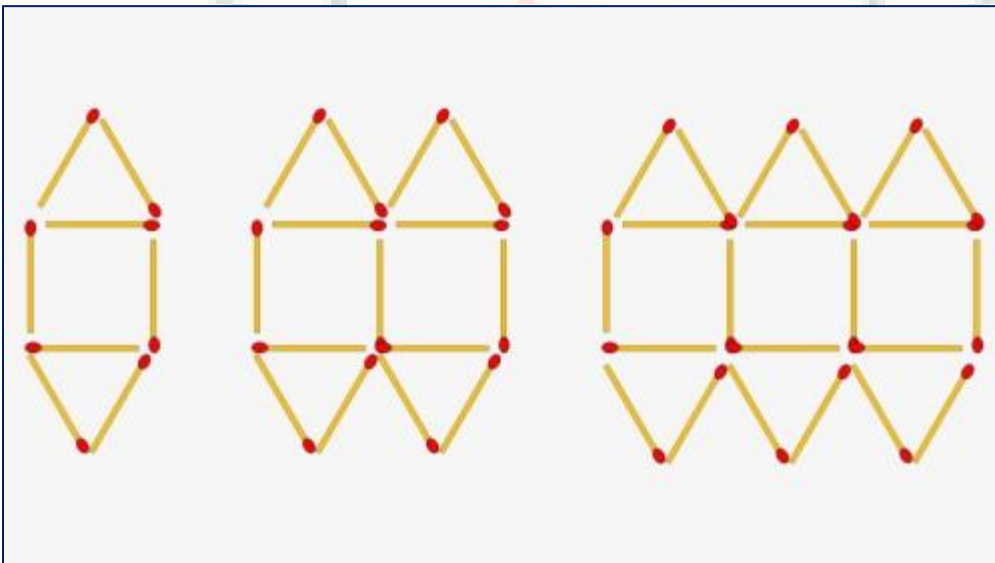
(v) 

Ex 2 Repeat the given patterns.



Activity (Project work)

❖ Collect any type of material and arrange them in a beautiful pattern.



Chap 6

Foot prints

➤ *Summary*

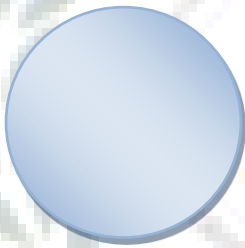
➤ EX. 1 Basic shapes

❖ *Shapes*

a. *Plane or 2 dimensional shapes*

b. *Solid or 3 dimensional shapes*

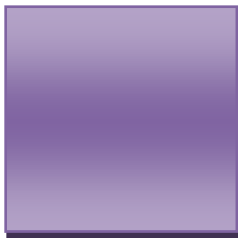
Ex1 Plane or 2 dimensional shapes



Name - Circle

Sides - It has no sides

Corners - It has no corners



Name - Square

Sides - It has 4 sides

Corners - It has 4 corners



\

Name - Rectangle

Sides - It has 4 sides

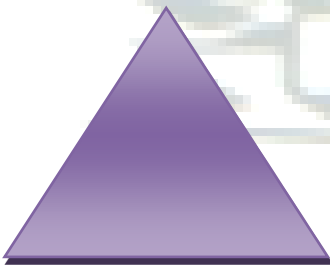
Corners - It has 4 corners



Name - Oval

Sides - It has no sides

Corners - It has no corners



Name - Triangle

Sides - It has 3 sides

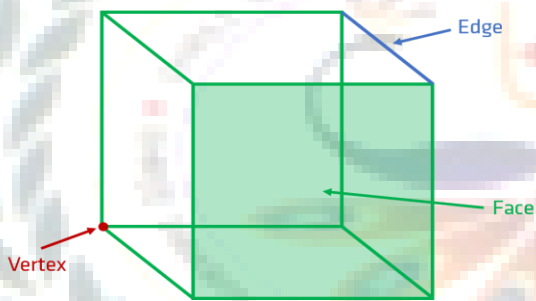
Corners - It has 3 corners

Ex. 2 Solid or 3 dimensional shapes.



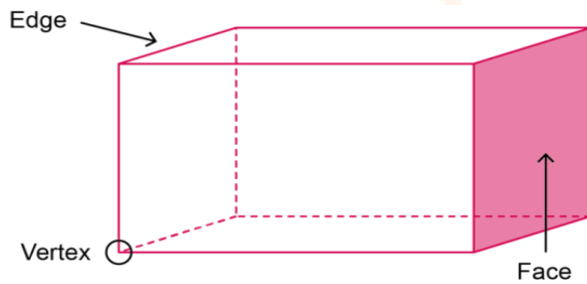
Name - Sphere

Example - Ball , Globe , Sun



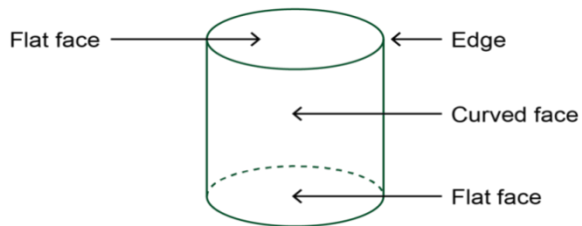
Name - Cube

Example - Dice , Sugar cube



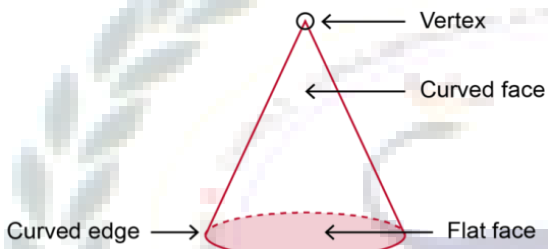
Name - Cuboid

Example - Duster , match box , book



Name - Cylinder










Example - Tube light , Candle , Bottle



Name - Cone

Example - Party cap , Ice cream cone

Ex.3 Write the name of the solid figures ,that each object look like.

		
cone / cube / cylinder	cone / cube / cylinder	cone / cube / cylinder
		
cone / cube / cylinder	cone / cube / cylinder	cone / cube / cylinder
		
cone / cube / cylinder	cone / cube / cylinder	cone / cube / cylinder

➤ **Activity (c.w.)**

Use colour papers and cut them in different shapes and paste them to make difrent type of pictures.



Chap 7

Jugs and Mugs

➤ *Summary*

- I. Which can hold more
- II. Units of capacity
- III. Observe and answer
- IV. Addition and subtraction of capacity.

➤ Ex 1. Tick ✓ the object which can hold more.

①	 <input type="checkbox"/>	 <input type="checkbox"/>
②	 <input type="checkbox"/>	 <input type="checkbox"/>
③	 <input type="checkbox"/>	 <input type="checkbox"/>
④	 <input type="checkbox"/>	 <input type="checkbox"/>
⑤	 <input type="checkbox"/>	 <input type="checkbox"/>

Ex .2 Units of capacity.

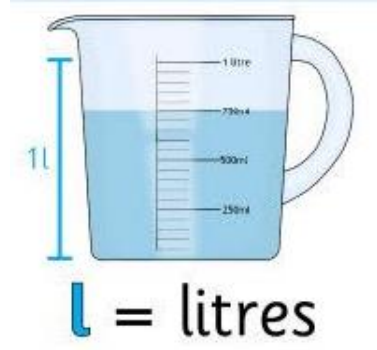
Capacity -The amount that something can hold.

We measure the quantity of liquid in Litre.

Ex. Water , petrol , juices etc.

1 Litre = 1000 Millilitre

Or 1Lt. = 1000 ml



Ex. 3 Compare the capacity of jug and mugs then draw mugs .

If  =  Then

a.  = 

b.  = 

c.  = 

Ex 4 Addition of Capacity.

L ml	L ml	L ml
15 300 + 15 300	45 600 + 11 300	68 550 + 12 200
30 600	56 900	80 750

L ml	L ml	L ml
22 500 + 13 400	50 250 + 40 200	20 000 + 4 700
35 900	90 450	24 700

Q5. Subtraction of Capacity.

L ml	L ml	L ml
50 200 - 20 200	70 300 - 62 100	65 300 - 20 100
30 000	08 200	45 200

L ml	L ml	L ml
55 700 - 55 200	90 400 - 60 100	55 600 - 20 600
00 500	30 300	35 000

➤ Activity

collect the pictures and labels of empty boxes or packets of milk , juices and oil etc. and make a collage by pasting on chart paper.



Write numbers in words

- | | | |
|----------|---------------|--------------|
| 1. One | 11. Eleven | 30. Thirty |
| 2. Two | 12. Twelve | 40. Forty |
| 3. Three | 13. Thirteen | 50. Fifty |
| 4. Four | 14. Fourteen | 60. Sixty |
| 5. Five | 15. Fifteen | 70. Seventy |
| 6. Six | 16. Sixteen | 80. Eighty |
| 7. Seven | 17. Seventeen | 90. Ninety |
| 8. Eight | 18. Eighteen | 100. Hundred |
| 9. Nine | 19. Nineteen | |
| 10. Ten | 20. Twenty | |

