Atomic Energy Education Society

Anushaktinagar, Mumbai-400094

S A-2 (2016-17)

Date: 10.03.2017

Subject- Mathematics | Class-IV

Time- 2 Hours | Max Marks-50

Name: ..... Section: ..... Roll Number: .....

School & Center: .....

Invigilator's Signature: ..... **Examiner's Signature:** .....

Checker's Signature: ..... Marks Obtained: .....

I. A. Fill in the blanks **(½ X 10 = 5)**

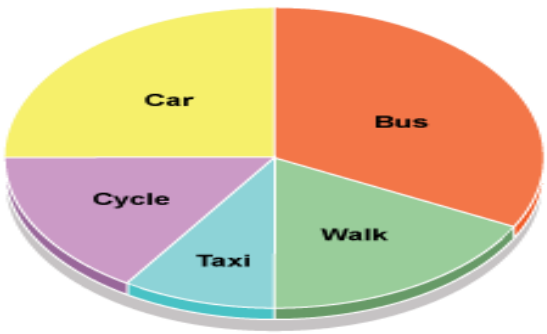
1) The diameter of a circle is 9 cm. Its radius is _____ cm.

2) 3 kg + 50 gm. = _____ kg.

3) 110 ÷ 5 = 22; In this division, the remainder is _____

4) A circle has only one _____

5) This pie chart shows the results of a survey that was carried out to find out how students travel to school. Most children are travelling by _____.



6) 1/4 litre more than ¾ litre is _____ .

7) A shepherd has divided his 90 sheep equally into 6 groups. Each group will have _____ sheep.

8) The fraction for the shaded part in the figure is _____

9) _____ hours make a week.

10) Complete the pattern: Z X V T __ __ N L

B. Write True or False. **(½ X 5 = 2 ½)**

1) The boundary of a figure is called its area. _____

2) 2500 g is more than 2 kg 50 g. _____

3) 0 ÷ 100 = 100. _____

4) The slices in a chapati chart are useful in comparing the gathered information. _____

5) The area of the square of side 1 cm is 1 sq. cm. _____

D. Match the following. **(½ X 5 = 2 ½)**

A	**B**
1) a whole	a) 0
2) Half a century	b) 2 times of 500 ml
3) 50 x 50 x 0	c) a half + 2 quarters
4) 1 L	d) simple closed curve
5) Circle	e) 50

1) _____ 2) _____ 3) _____ 4) _____ 5) _____

E. Solve the questions **(5 x 1= 5)**

1. Find out a radius of a circle having 20 m diameter.

2. There are 20 balls. ¼ of them are red. How many balls are red?

3. If A=1, B=2 and C=3 and so on. How will you write the word "GOOD" in same code?

   GOOD = _____ _____ _____ _____

4 Suman bought 2kg 500 g sugar and 3kg 750 g rice. How much weight did she carry?

5 Shiva bought a roll of 80m wire for fencing. The length of the boundary is 70m. How much wire is left with him?

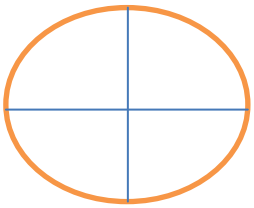
II. Do as directed. **(1 X 15 = 15)**

1. Convert the following-

   a) 3kg + ½ kg =_____ g

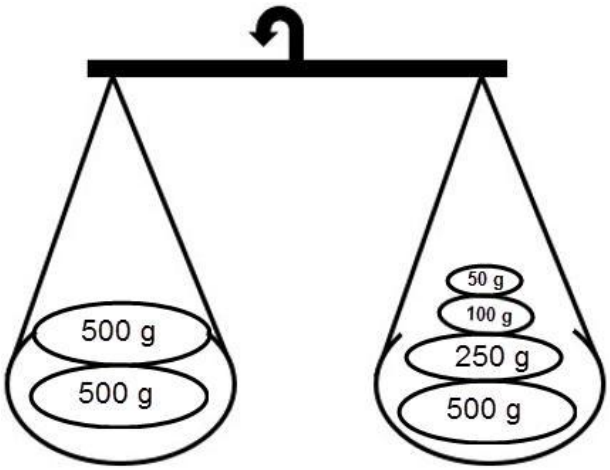
   b) 800g + 2000 g = _____ kg

2. Colour ¾ of the shape



3) The length of three sticks are 14cm, 15cm and 16cm. A triangle is formed using the sticks. Find the perimeter of the triangle.

4) Which pan will go down? Show by drawing an arrow pointing downwards next to the pan.



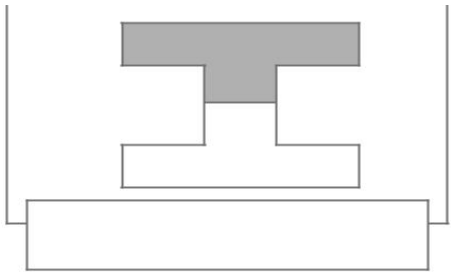
5) Anil counted the trees in a garden using tally marks. How many trees are there in all?

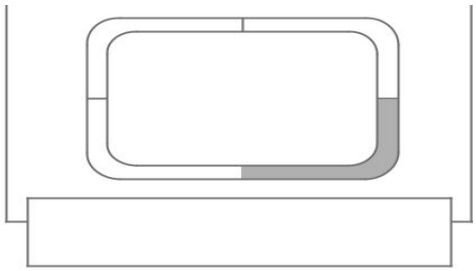
Name of the tree	Tally Marks
Bougenvillea	𝍸 𝍸 𝍸 𝍸 𝍸
Neem Tree	𝍸 𝍸 𝍸 |||
Peepal Tree	𝍸 𝍸 ||||
Banyan Tree	|||
Ashoka Tree	𝍸 𝍸

Total number of tress _____

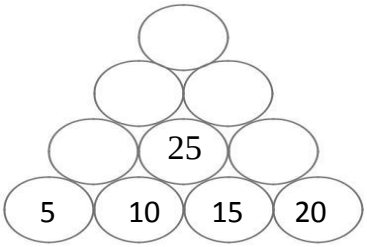
6) A straw is 10 cm long and if 8 straws are used to make a square find its side.

7) What part of the following figures is shaded? Write the fraction.





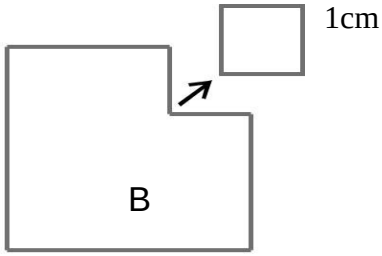
8) Complete the following number tower.



9) A woman wants 144 apples. She wants to pluck equal number of apples from 9 trees.
How many apples will she pluck from each tree?

10) How many **250 g** weights should be kept for balancing **2 ½ kg** of apple?

11) From the big square of side 5cm a small square of side 1 cm is cut. Find the perimetre of the shape B.

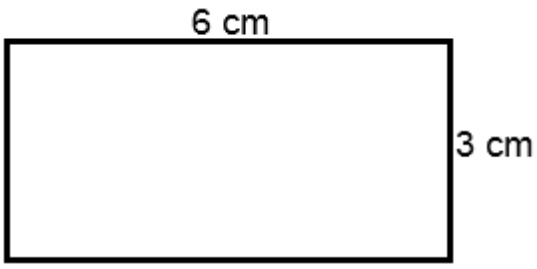


12) Draw a circle of radius 2.5 cm and mark the centre as O.

13) Complete the magic square given below so that the sum of the numbers in each row or in each column or along each diagonal is fifteen. (Use numbers from 1 to 9 without repeating them)

6	1	
	5	

14) How many squares of side 1 cm can fill the rectangle?



15) Draw a pattern using the given shape.

III. Solve the following. **(2X10 = 20)**

1) Draw a circle of radius 3 cm and show the following-

a) Centre b) radius c) diameter d) a point in the interior

2) If ZFT becomes YES then write the secret message for IBQQZ

3) Rahim wants change for Rs. 1000

How many notes will he get if he wants in return-

a) all 100 rupee notes? _____ b) all 50 rupee notes? _____

c) all 20 rupee notes? _____ d) all 10 rupee notes? _____

4) Riya attended the school for 91 days and she was absent for 14 days in Term-1 of the academic session 2015-16.

a) How many weeks was she present?

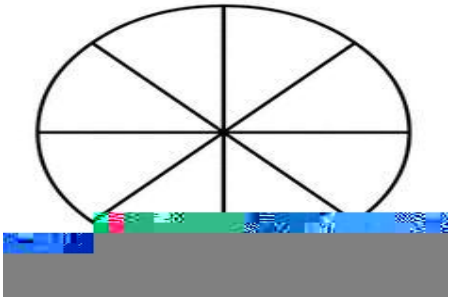
b) How many weeks was she absent?

5) There are 160 students in a school. 5/8 of them come to school by bus and the rest by their own vehicle.

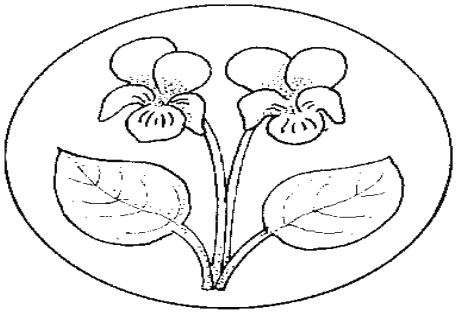
i) How many students come by bus?

ii) How many students come by their own vehicle?

6) Colour the fractional part as mentioned below.



¾



½

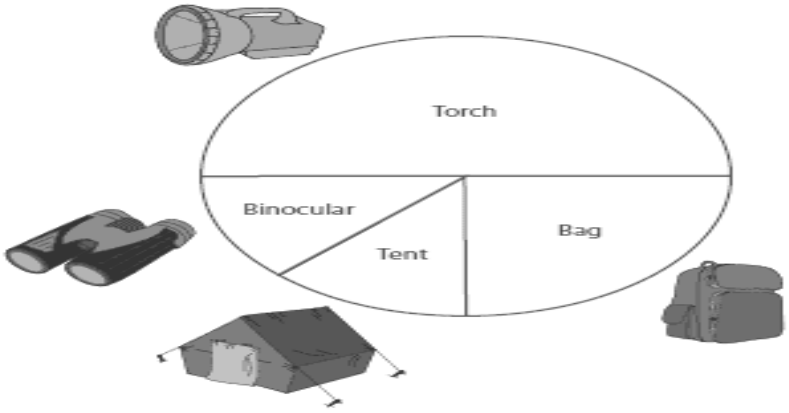
½

¼

b) If a driver charges Rs. 600 for a trip, how much will Harman pay the driver for all the trips?

9) Shikha bought a 20m long roll of lace. She stitches it around 4 table clothes of length 1m 50 cm and breadth of 75 cm. What length of the lace will be left?

10) The chapatti chart given below shows the sale of items needed for a camp. Read the chart carefully and answer the questions.



a) What part of items is bag? _____

b) If the number of binoculars sold is 50, how many torches are sold? _____

c) The number of tents sold are _____ (twice / half / thrice) the number of bags sold.

d) The number of bags and tents sold together are _____ (twice/half/thrice) the number of binoculars sold.