



Atomic Energy Education Society

Anushaktinagar, Mumbai-400094

S A-2 (2016-17)

Date: 08.03.2017

Subject- Mathematics

Class- V

Time- 2 Hours

Max Marks-50

Name: **Section:** **Roll Number:**

School & Center:

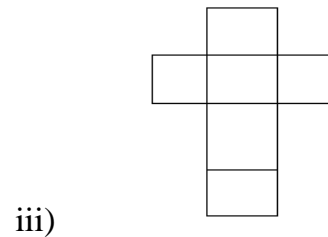
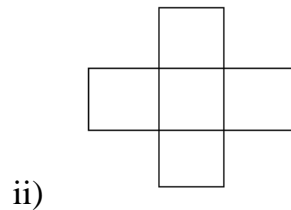
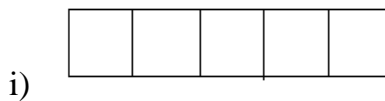
Invigilator's Signature: **Examiner's Signature:**

Checker's Signature: **Marks Obtained:**

Q1. Choose the correct answer and fill in the blanks.

$(\frac{1}{2} \times 12 = 6)$

- a) A group of people start their journey from Tamil Nadu and reach Delhi. They have moved in _____ direction to reach Delhi (south/north/west)
- b) The measure of a region is called _____. (area/perimeter/volume)
- c) We can make an open box with _____



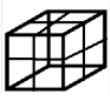
d) If 1 cm on the map shows 200 km on the ground then 600 km on the ground will be _____ cm on the map. (4cm /2cm/3cm)


e) $8000 \text{ m} \times 0.1 \text{ m} =$ _____ (800 sq.m/8000 Sq.m/800m)

f) The fencing of a square garden is 24 cm. Its each side is _____ (6 cm/5cm/4cm)

g) If we double the side of a square its perimeter increases _____ times.
(4times/3times/2times)

h) Ravi drinks 2 litres of water in a day. He drinks _____ litres of water in a month.

i) The volume of the shape  is _____. (4cu. cm/ 8 cu. cm/ 12 cu. cm)

j)  can be folded into a _____ (cylinder/ cube / cone)

k) if $\frac{1}{2}$ cm on map = 1km on ground then 2cm on map will be _____ on ground.
(2 km / 3km / 4 km)

l) $\frac{125}{100} =$ _____ (1.25/0.125/12.5)

Q2) Write True or False for the given statements.

$$\left(\frac{1}{2} \times 8 = 4\right)$$

a) There is no state to the west of Gujarat. _____

b) $0.05 = 0.0500$. _____

c) Volume is measured in cubic units _____

d) The area of a square of side 1cm is 4 square cm _____

e) A cube has 8 vertices. _____

f) 1cm is $\frac{1}{100}$ of a kilo metre. _____

g) We can use tally marks to record a data. _____

h) If we multiple a number by 0, we get the same number as product. _____

Q3) Fill in the blanks.

$$\left(\frac{1}{2} \times 10 = 5\right)$$

a) Rupee $\frac{1}{10} =$ _____ paise.

b) The amount of space occupied by an object is called its _____.

c) Each side of a cube of volume 1 cubic cm will be _____ cm.

d) If a 5 rupee coin weighs 9 g then _____ coins will weigh 9 kg (100/1000/9000)

e) $630 \div 70 =$ _____

f) $60 \times 40 \times 2 =$ _____

g) If the perimeter of a square is 40 cm. Its each side is _____ cm.

h) 2 lit. 5ml. = _____ l.

i) 8 mm = _____ cm

j) If Hariya earns Rs.75 in a day, he earns Rs. _____ in a week.

Q4) Do as directed.

$$(1 \times 15 = 15)$$

a) Draw the deep drawing of a cube.






b) How many 1 centimeter cubes can be arranged in a box of length 12cm, breadth 10 cm and height 9 cm ?

c) Divide and write the quotient and the remainder

$$876 \div 15$$

d) If 8 five rupee coins can push up 10 ml of water then, how many coins can push up 25ml water ?

e) If  shows 5 children then complete the table

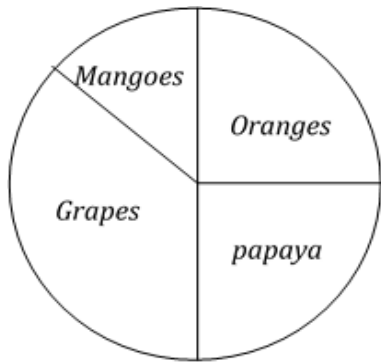
Vehicle	Tally Mark	Number
Car	 	
Scooter	  	

f) If one litre petrol costs Rs. 45. How many litres of petrol can be brought for 540 ?

g) Add : $5.555 + 0.005 + 0.5$

h) If a soap costs Rs. 8.75, how much will 2 soaps cost?

i)



A survey is conducted among 100 students. Their favorite fruits are shown in the above given figure. Now answer the following questions

i) Favourite fruit of most students is _____.

ii) _____ students like orange.

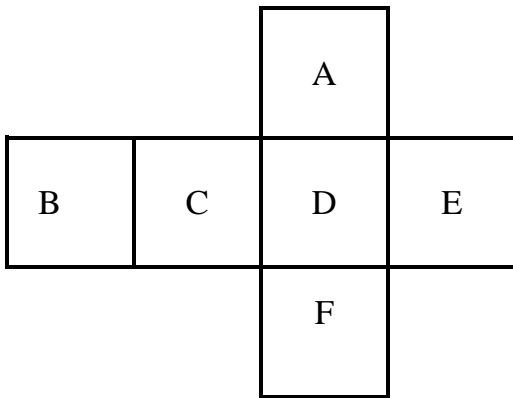
j) Raman is a shopkeeper. He has a 3 m cloth. He sold 75 cm cloth to Rajni. How much cloth is left with Raman ?

k) The distance between two places is 36 km on the ground. It is marked as 3cm on the map. What is the scale of the map?

l) Find the volume of a brick whose length is 12cm, breadth 5 cm and height 4cm?

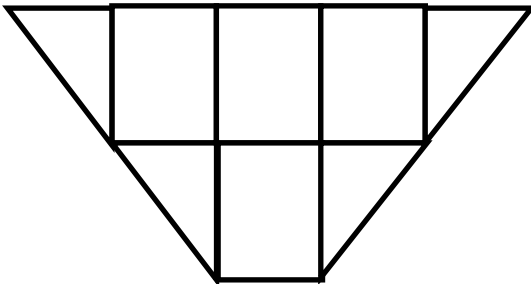
m) The temperature of Chennai at 3:00 am is 21.3°C and at 3:00 pm is 32.1°C . What is the difference in the temperature during the day ?

n) The net of a cube is given below. If this net is folded to make a cube in such a way that the letter E is at the bottom, then which letter will be on the top ?



Ans. _____

o) Find the area of the following figure if the side of each square is 1 cm.



Area = _____

Q5) Solve the problems

(2x10=20)

a) Aryan's aunt from Australia sent him 100 Australian dollars as a gift. He used Rs. 3800 to buy a cycle. How much money was he left with ? (1 Australian dollar = Rs.50.70)

b) Look at the map of India given below and answer the questions.



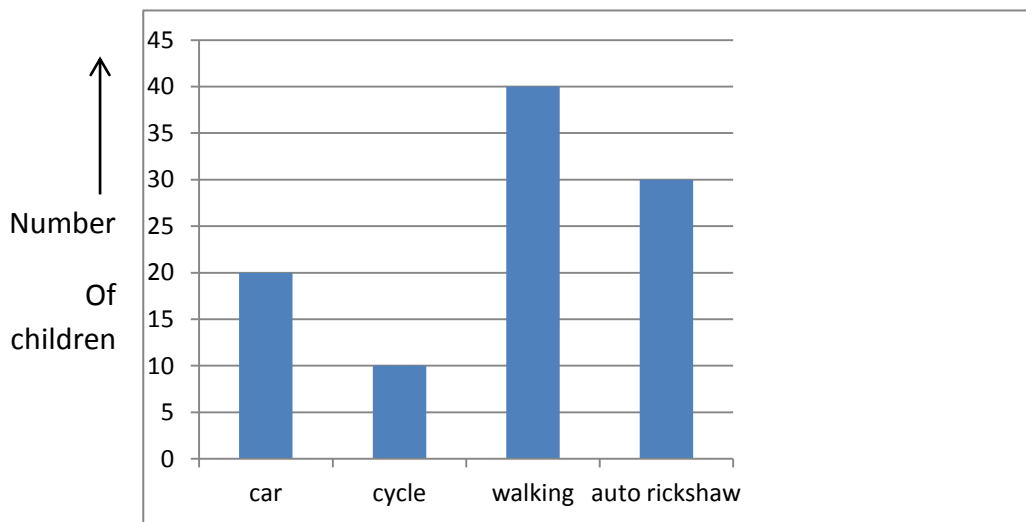
i) If a group of people travel from Madhya Pradesh to Jammu and Kashmir. Write any 2 states that they will cross through ?

_____ , _____

ii) Name any state to the east of Kerala?

iii) Name any state that is surrounded by four other states.

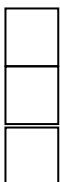
c) The different modes of transport used by students of a school are given in the chart below. Study the chart and answer the following questions.



- i) The number of students going to school by car are _____
- ii) The most number of students go to school by _____
- iii) The least number of students go to school by _____
- iv) The number of students going to school by _____ are thrice the number of students going to school by cycle.

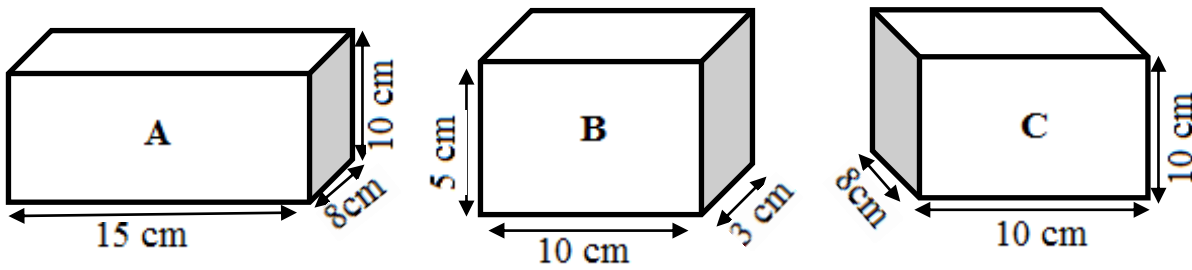
- d) 665 people are watching a movie in a hall. If the hall has 35 rows, how many people will have to sit in one row?
- e) There are 24 rooms in a hostel. Each room has 4 plants. Each plant needs 4 cups of water. How much water is needed for all plants?
- f) Mohini wants to tile his kitchen floor with square tiles. Each side of the tile is 10cm . Her kitchen is 450 cm in length and 350 cm wide. How many tiles will he need ?

g) Draw the top view of given matchbox bridge



The side view of the bridge. It shows the _____ and _____ of the bridge

h) Gita and Seema want to pack 2000 centimetre cubes in boxes. These are to be sent to a school. There are three different boxes available for packing.



- 1) _____ centimeter cubes can be packed in box **A**.
 - 2) _____ centimeter cubes can be packed in box **B**.
 - 3) _____ centimeter cubes can be packed in box **C**.
 - 4) _____ and _____ boxes can be used to pack all 2000 centimetre cubes.
- i) The area of a rectangular park is 1200 sq.m. If the length of the rectangle is 60 mt. find the width and also find the perimeter of the park?
- j) Write any two ways we can check whether a 100 rupee note is real or fake?