ATOMIC ENERGY EDUCATION SOCIETY

SAMPLE PAPER FOR SA-2 (2015-16)

CLASS: IV   **SUB: MATHS**

Q.1) Choose the correct answer and fill in the blanks.(½ X 10 = 5 M)

1) The segment that joins any two points on the circle is called the _____ of the circle.

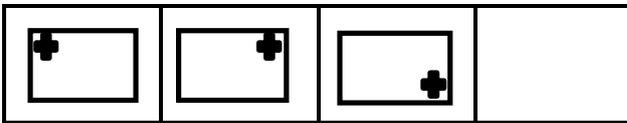(diameter/ radius / chord)

2) To make the multiplication table of 9,Suman added the table of 6 and the table of _____.

   (5 /3/4)

3) Meera counted 40 legs of cat's .So there are _____ cats in the box. (20/10/8)

4) Complete the pattern- 345, 456, _____ ,678 (576/675/ 567)

5) Complete the pattern-

(   )

6) 110 ÷ 10 = _____   (10 /11/ 20)

7) _____ notes of 5 rupees make Rs 100.   (20 /10 /25)

8) Starting from the 0, Bunny Rabbit jumps 5 steps at a time. He needs to take _____ jumps to reach at 45. (45 / 9 / 15)

9) In the given addition pattern, the sum grows by _____   (6/4/3)

| 1 + 2 + 3 =6 |
| 2 + 3 + 4 = 9 |
| 3 + 4 +5 =12 |

10) Sudha paid 50 rupees for ½ kg apples. So cost of 1kg apples is _____ rupees.
(40/ 25 /100)

Q.2) Fill in the blanks.   **(½ X 10 = 5M)**

1) The boundary of the square = 4 X _____

2) Complete the pattern-   49A   42B   35C   28D   _____

3) The _____ is the longest chord of the circle.

4) 400ml + 200ml + _____ ml = 1litre

5) ¼ of 2kg = _____grams

6) Sona packed 4 packects with 3 laddoos in each. So she packed _____ laddoos in all.

7) Sheena bought 20 stars. Out of them ½ are red. So she bought _____ red stars.

8) 5 notes of Rs.50 = _____ rupees.

9) Jyoti bought   ¼ kg of okra at the rate of Rs. 60 per kg. So she paid _____ rupees for okra.

10) Lalugoat and Kalugoat tied to a pole with ropes. Kalugoat has a shorter rope than
Lalugoat. So _____ can look for more grass to eat.

Q.3A) Match the following.   **(½ X 5 = 2 ½)**

	A		**B**
a)	$\frac{12}{16}$	(i)	1litre
b)	$\frac{5}{15}$	(ii)	1 kg
c)	5 times of 200ml	iii)	¼
d)	$\frac{2}{8}$	(iv)	⅓

e)   750g + 250g   (v)   ¾

a) - _____   b) - _____   c) - _____   d) - _____   e) - _____

Q.3 B) Write true or false.   **(½ X 5 = 2 ½)**

1)   1kg of cotton is heavier than 1kg of iron.   _____

2)   All wheels of a road roller are of the same radius.   _____

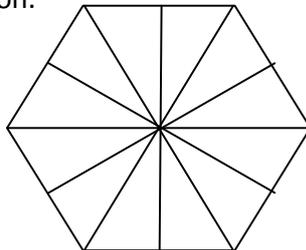3)   To spin the top well, we should make a hole at the centre of the top. _____

4)   ½   _____

5)   Capacity of a bottle is ¼ litre. So it holds 250ml of water. _____

Q.4) Do as directed.   **(1 X 15 = 15)**

1) Colour the ¾ part of the hexagon.

2)   Jayant made a shelf for 20 jars. Each row has the same number of the jars. Show any two ways to arrange the jars in the shelf.

Ans: a) There are _____ rows with _____ jars each.

 b) There are _____ rows with _____ jars each.

3) Write the secret message by changing the each letter by its <u>previous</u> letter.

Example:

G	O	O	D	N	I	G	H	T
F	N	N	C	M	H	F	G	S

Message - Do not cut trees

_____

4) Neelu has kept her chickens in a box. She counted 36 legs. So how many chickens are there in the box?
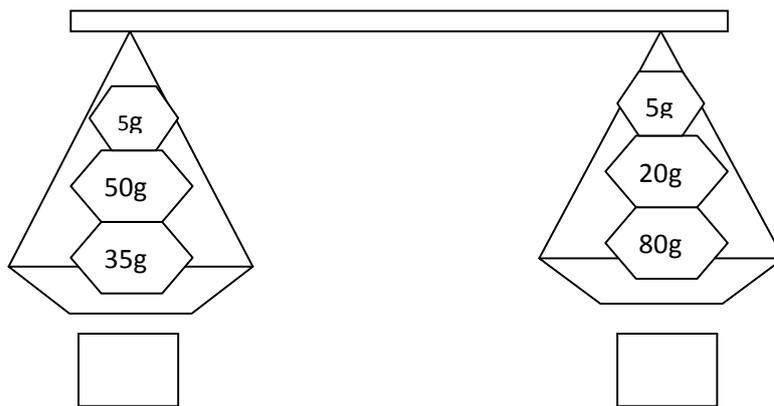
_____ chickens.

5) Frame the question from given sentence-

There are 240 students in 4 classes. Each class has equal number of students.

Question: _____

6) Which pan of the balance will go down? Show by drawing an arrow.

7) Manpreet wants to send a parcel of the story books to his friend Manjeet in Punjab. The book weighs 200g. How much money will he pay for posting the books?

Parcel weighing-	Postal Rates (in Rs)
i) 50 grams or less	5.00
ii) For every additional 50grams	3.00

8) Find the boundary of the field-   120m

90m90m

200m

9) Chetan can carry 260 bricks in a hand cart. The weight of one brick is 2kg. How much weight canhe carry in the hand cart?
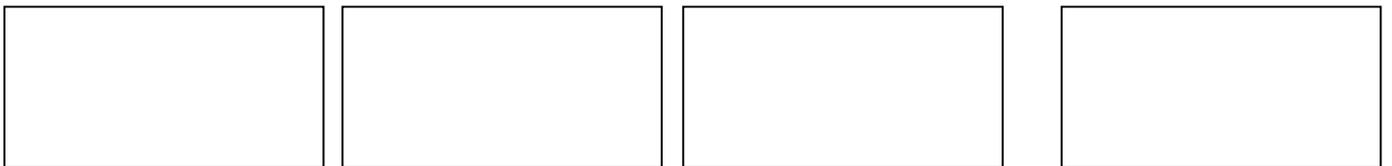
10) Crack the secret message if 26 stands for A, 1 stands for B , 2 stands for c and so on.

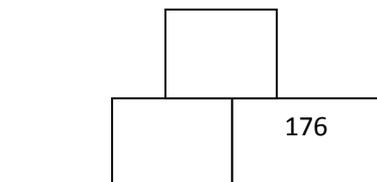   Message- 7 26 15 15 24   7 14 11 8

   _____

11) Find the length of boundary of the given figure if each side is 1 cm .
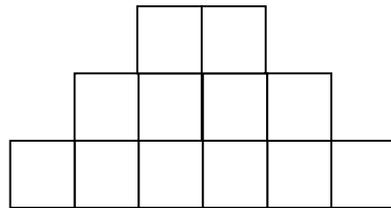
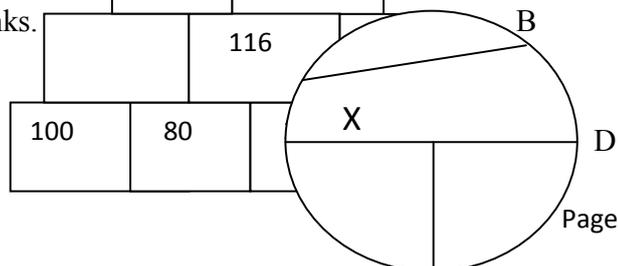12) Divide given rectangles into four equal parts in four different ways.

13)Complete the number tower.

14) Observe the figure and fill in the blanks.

a)   _____ = the centre of the circle

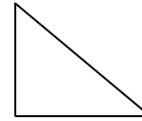b) Seg AB = _____

176

116

100   80

X

B

D

c) Seg EX = _____

d) _____ = the diameter of the circle

E

15) This is the quarter of the picture .Complete it .How many more quarters will you draw to complete it ? _____
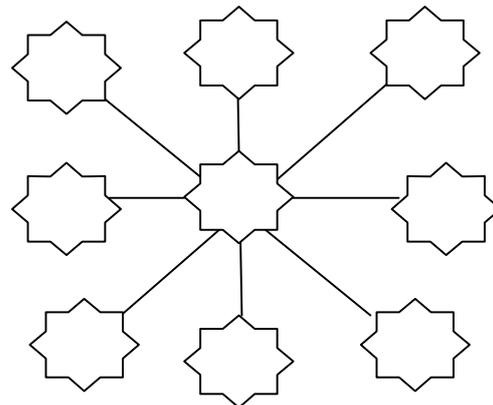
Q.5) Do as directed   **(10 X 2 = 20)**

1) Use the numbers 4 to 12 and fill in the ⬖ .

The rule is the numbers in each line add up to 24.

2) Sheela poured 2 litres of milk into two bottles. The first bottle holds ¾ litre and the other holds ¼ litre . How many milliliters of milk does each bottles hold?

3) Some students were asked which of these drinks they liked most- Bournvita, Horlicks, Complan

: : : :
Students   : : : : : : :
who likes : : : : : : :
bournvita : : : : : : :

Students who like horlicks

Students who like complan

: : :
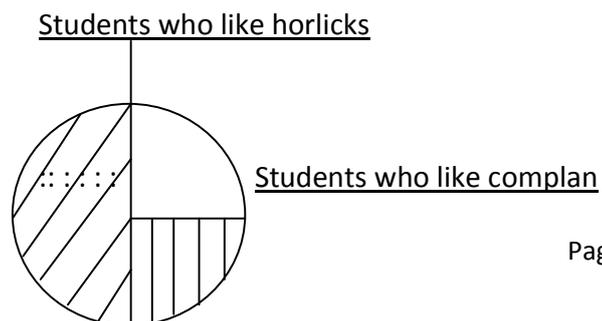
Look at the chapatti chart and give the answer.

a) The students who like complain are (¼ / ½) of the students who likes bournvita

b) The students who like complan are   (equal / double) of the students who likes horlicks

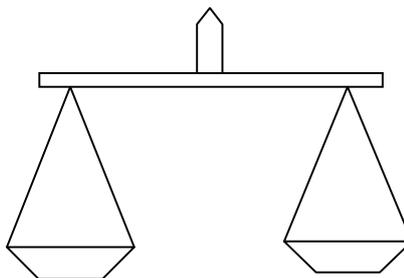c) If 10 students like complan, thenhow many students are there in all?

4) Raju has some stones of different weights. How Raju will use these stone pieces to weigh-

200g   1kg   500g   200g

a) 800 grams of sugar -
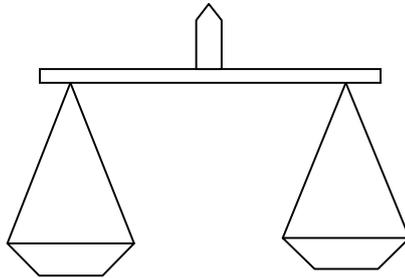
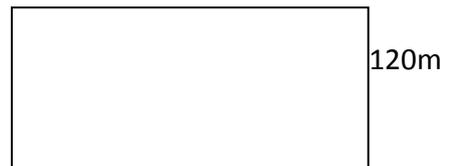b) 600 grams of turdal -

5) Shyamlal fenced his garden with 2 rounds of wire. How much wire did he use for fencing his garden?   230m

120m

6) One carton can holds 85 soap bars. Geeta wants to pack 340 soap bars. How many cartons does she need for packing? (Hint- solve it using repeated subtraction)

7) a) Rahul divided a pizza into four equal parts- for himself , for his sister , for his mother and for his father. Colour each share with different colours.
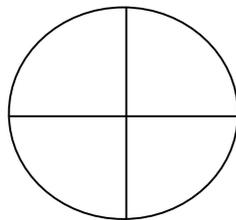
b) Father gave his share to Rahul. Now colour the share of Rahul.
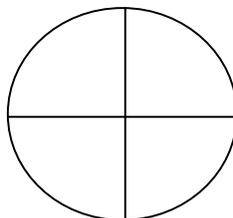
c) i) Before father gave his share to Rahul , Rahul had _____ parts out of _____ parts.

   ii) After father gave his share to Rahul ,Rahul had _____ parts out of _____ parts.

8) Ravi wants to buy a pen. The cost of the pen is Rs. 5. He has one 2rupees coin, one rupee coin , 4 half - rupee coin, and one quarter -rupee coin.How much money does Ravi have? Is it enough to buy pen?

9) Look at the picture given below. The first and the second balances are equal. So how many apples can balance third?_____

1st

2nd

3rd   How many apples?
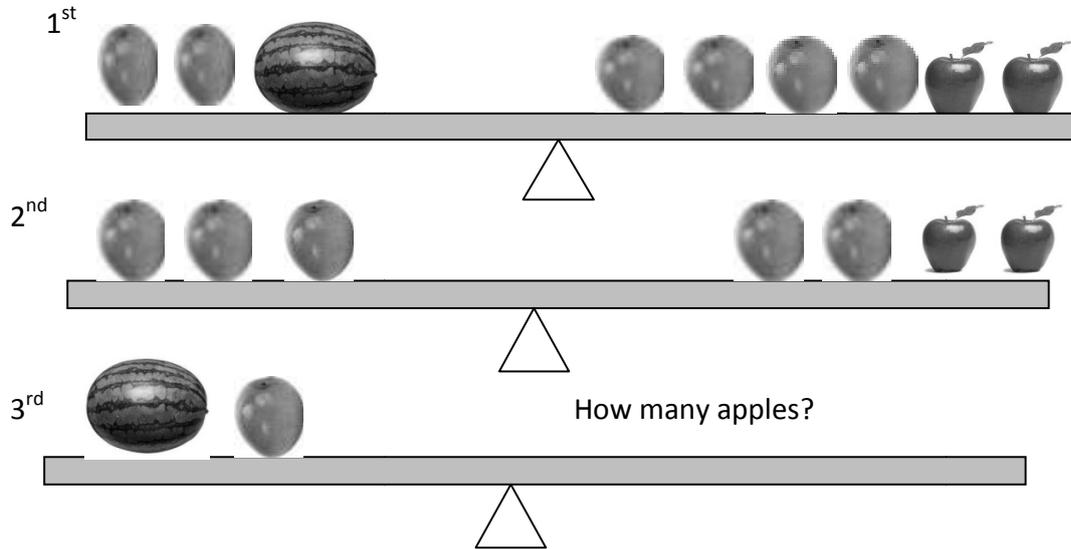
10) Using compass make similar design .