Atomic Energy Education Society
Annual Examination-2018-19

Class : IV   **Time : 3 Hours**
Subject : Mathematics   **Marks : 80**

_____

To be filled by the student

Student's Name: _____

Name of the School: _____

Class /Sec. : _____ Roll No.: _____

Date of Examination: _____

_____

To be filled by the teacher

Invigilator's Sign: _____

Examiner's Sign : _____

Marks Obtained: _____

Checker's Sign: _____

_____

General Instructions:

This paper consists of the following Sections:
Section-A (20 Marks)
Section-B (20 Marks)
Section-C (20 Marks)
Section-D (20 Marks)
All questions are compulsory

Section: A (20 Marks)

I   **Choose the correct option and tick (√) the answer.**   **(6 x 1 = 6)**

1) We can trace a circle with the help of a _____.

   a) brick   b) box   c) bangle

2) One and half litres is equal to

   a) 950 mL   b) 1000 mL   c) 1500 mL

3) If the pattern continues, what is the next one?

   A36,   B35,   C34,   D33,   _____

   a) E32   b) E30   c) E23

4) The weight of the apple will be
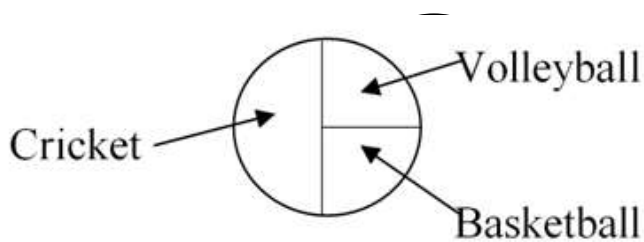
   a) 15 kg   b) 150 g   c) 1500 g

5) The length of the boundary of a square whose each side is equal to 6 cm, is equal to

   a) 18 cm   b) 22 cm   c) 24 cm

6) Somya made a chapati chart after asking his friends about the sport they like to play.

Observe the above chapati chart and answer.

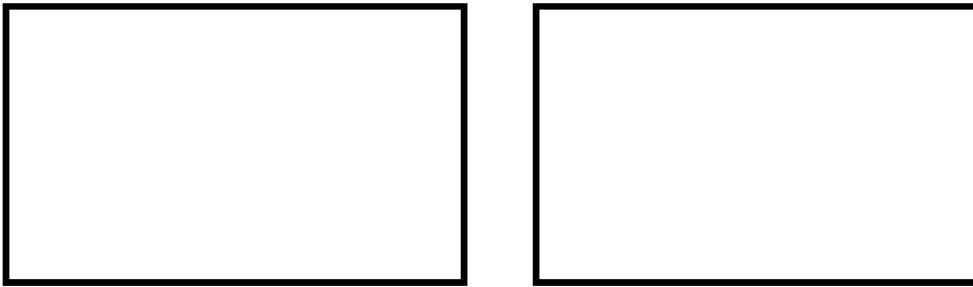How many children of total number like to play cricket?

   a) $\dfrac{1}{4}$ **b)** $\dfrac{1}{2}$ **c)** $\dfrac{3}{4}$

II   Answer the following questions as directed.   (5 x 2 = 10)
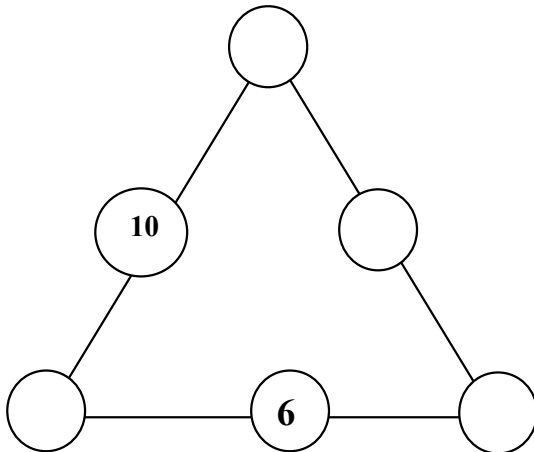
A) Draw circles of radius 3 cm and 4 cm with common center.

B) Cut rectangles into four equal parts in two different ways.

C) Use numbers from 5 to 10 to make your own magic triangle.

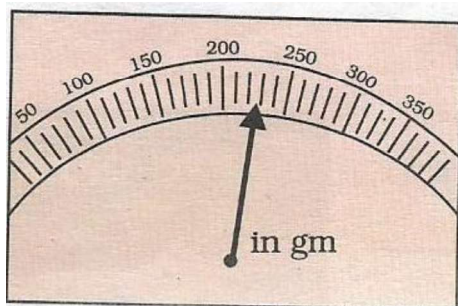**Rule:** Numbers on each side must add up to 22.

D) Reena has attended the school for 126 days. For how many weeks was she present ?

E) A man earns Rs.334 in one day. Howmuch was his earning in the month of January? (January = 31 days).

III   Solve the following.   **(2 x 2 = 4)**

A) Read the weight shown in the picture. Find out the weight and cost of sending a parcel of that weight.

Parcel weighing -	Postal Rate in Rs
50 grams or less	5.00
For every additional 50 grams	3.00

Weight of the parcel = _____

Cost of sending the parcel = _____

B) Gopu needs stamps of Rupees 25 for his parcel. He went to the post office. Only stamps of Re 1, Rs 2, Rs 5 and Rs 10 were there at that time. Using those stamps, in how many two different ways can he make Rs 25?

i) _____ = Rs 25

ii) _____ = Rs 25

Section: B (20 Marks)

I   **Choose the correct option and fill in the gaps.**   **(6x1=6)**

1) The boundary length of the given figure is _____metres. **(28,30, 38)**

2) A circle has _____ centre. **(three , two , one   )**

3) ¾ of a Kilogram =_____ grams. **(750, 1000, 1250)**

4) If the code ⟨ 7-15-15-4 ⟩ means **GOOD** then **BEST** stands for the code ⟨   ⟩

(8-16-16-5,   2-5-19-20,   3-5-18-20)

5) If ☺ shows 15 children then ☺ ☺ ☺ shows _____ children. **(40,45,60)**

6) A straw is 5 cm long. If 8 straws are used to make a square then the side of the square is _____ cm. **(10,15,20)**

II **Do as directed.**

1) The cost of half a watermelon is Rs 32.

What is the cost of

a) the whole watermelon ?

b) one-fourth of the watermelon ?

2) Observe the pattern and continue.
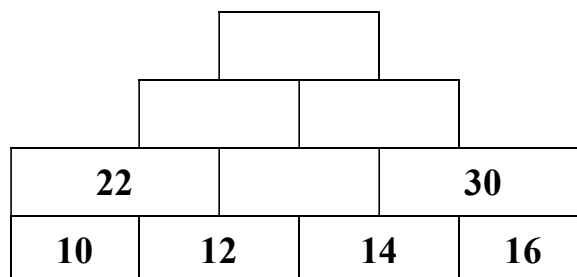
$11 + 12 + 13 = 36$

$21 + 22 + 23 = 66$

$31 + 32 + 33 = 96$

___ + ____ + ____ = _____

3) Name any two things that we buy from post office.

_____ , _____

4) Complete the number tower.

22			30
10	12	14	16

5) A square park has side 20 m length, how much wire will be required to fence around it two times?

III Observe the smart chart and answer the following questions. **(4)**

○ **This shows 4 children**
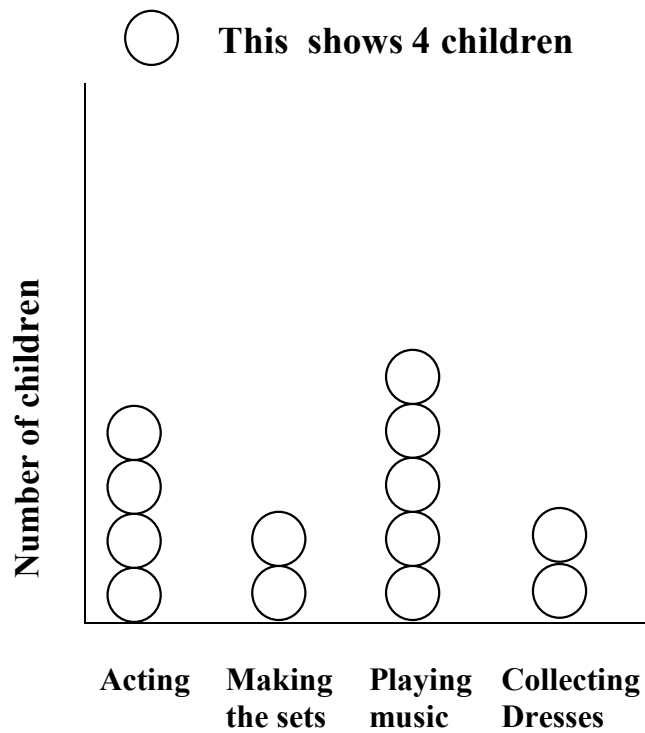
a) How many children are collecting dresses? _____

b) What is being done by most of the children? _____

c) How many children are acting in the drama? _____

d) Which is more - children making the sets or those acting?

_____

Section: C (20 Marks)

I **Fill in the blanks**.   (4x1=4)

1) In the given figure

_____ part of the whole is shaded.

2) We can make the multiplication table of 12, if we know the table of 7 and _____ .

3) 10x _____ grams = 1kilogram

4) A frog jumps 3 steps at a time starting from 0.If it is at 27, then it has taken _____steps.

II **Solve the following.**   (6x2=12)

1) Binu has kept his chickens in a box. He counted 42 legs. How many chickens are there?

2) How many 200 gram weight can balance 2 kg weight?

3) Here are pictures of two fields. Find out which one has the longest boundary.

40 m		38 m

23 m

Field-A   24 m
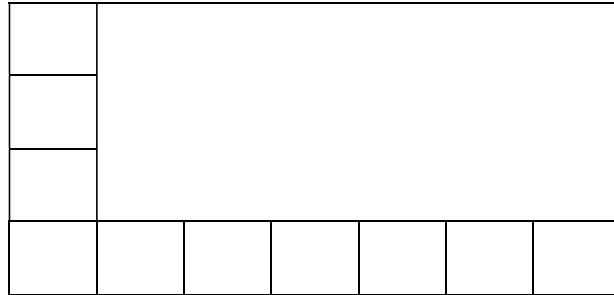
23m

36m

38 m

23m

24 m   Field-B

23 m

42 m
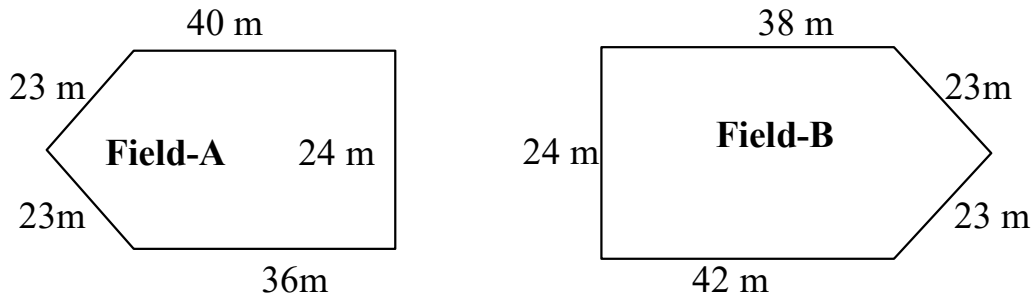
4) Out of 56 people in a line for ice-cream, one-quarter want vanilla. How many people want vanilla ice-cream?

5) How will you use these broken stone pieces to weigh 3 kg firewood?

2 Kg   5 Kg   6 Kg
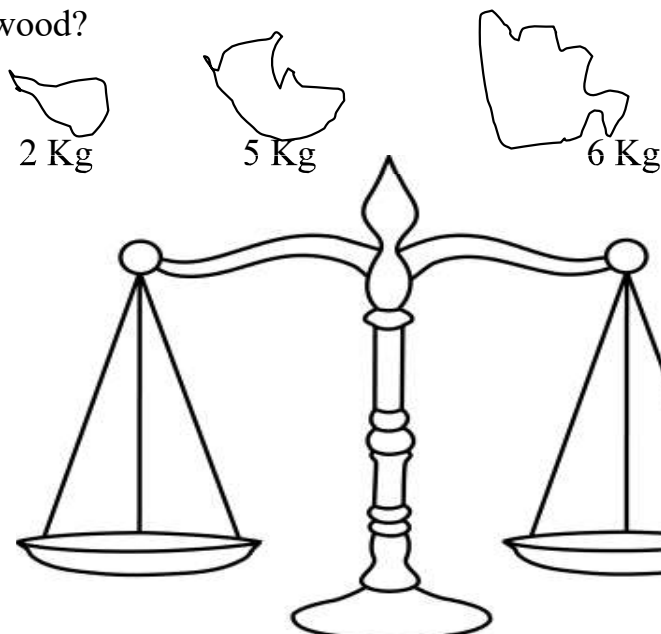
6) How many squares of one centimetre can fill this rectangle ?

_____

III   Solve.   (4)

A group of children were asked, which of these they liked the most-
Ice-cream, chocolate or lassi.

The food items they like	Number of children
Ice-cream	10
Chocolate	20
Lassi	10

Answer the following from the above table.

a) The total number of children were _____.

b) Children who like lassi are $\frac{1}{2}$ or $\frac{1}{4}$ of the total children._____

c) Children who like chocolate are $\frac{1}{2}$ or $\frac{1}{4}$ of the total children._____

d) Show the liking for ice-cream, chocolate and lassi in a chapatti chart.
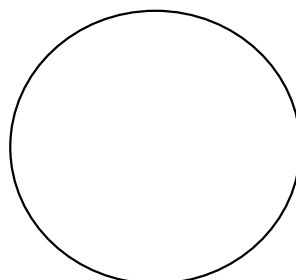
Section: D (20 Marks)

I Choose the correct option. (4x1=4)

1) $\frac{3}{4}$ of 40 is _____. (30 / 10)

2) 126 x _____ = 12600. (100 / 1000)

3) 5 kg + $\frac{1}{2}$ kg = _____ g .(5500 / 5050)

4) 15 notes of 20 rupees is equal to _____ rupees.(450 / 300)
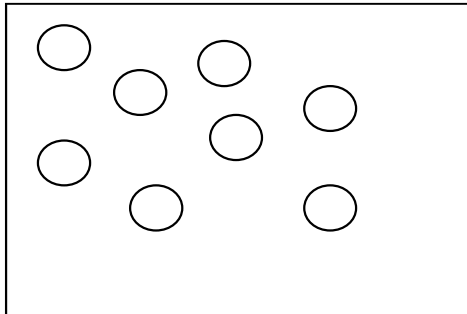
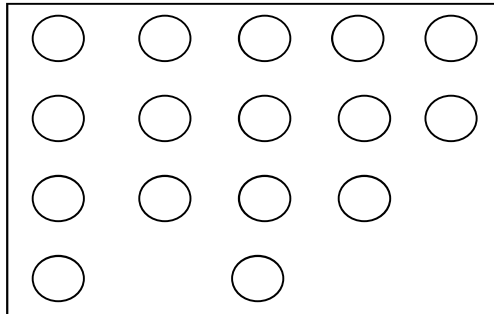**II** **Find the answer for the following.** (6x2=12)

1) Divide 195 by 7 and write

        Remainder _____

        Quotient _____

2) Shade the figures for the given fractions.

$\frac{1}{4}$ $\frac{3}{4}$

3) **Frame your question for the given solution**.

There are 5 packets of sugar. Manjit paid 150 rupees for all the packets.
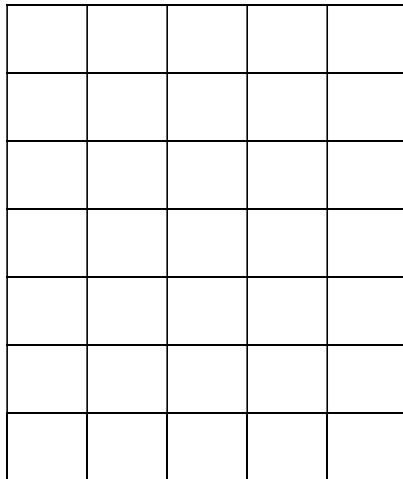
My question : _____

_____

_____

4) Name any four things that we usually buy in Kilograms.

_____,_____,_____,_____

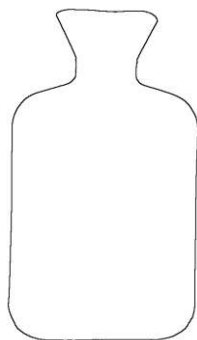**5)** How many 50 rupee notes will Rahul get for 500 rupee note ?

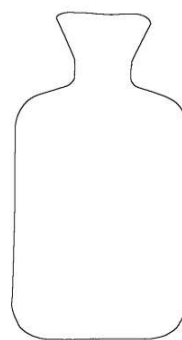**6)** Draw two different shapes by joining two squares.

III   Raman poured 1 litre of milk into 2 bottles so that the bottle-A holds   **(2x2=4)** $\frac{1}{4}$ litre and the bottle-B holds $\frac{3}{4}$ litre of milk.

a) Shade the level of milk in each bottle.

A   B

b) How many millilitres of milk does each bottle hold?

Bottle-A _____mL

Bottle-B_____mL

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