

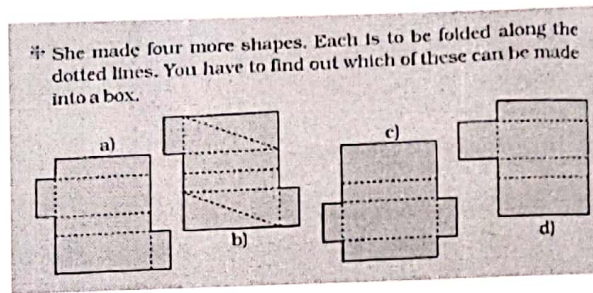
Name of Student:

Date:

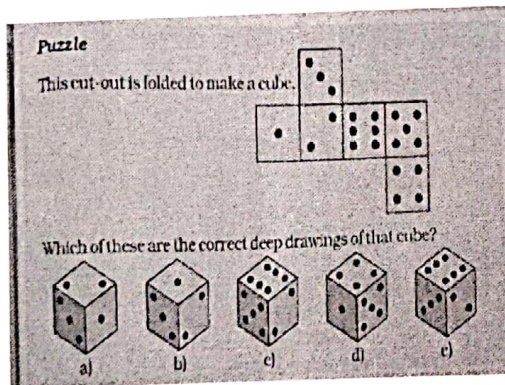
Total Marks:

A. Multiple choice questions: (Each question carry 1 marks)

- 1) One hundred lakh is equal to
a) 10000000 b) 100000000 c) 100000 d) 10000
- 2) $\frac{1}{3}$ of right angle is equal to
a) 30 degree b) 45 degree c) 90 degree d) 60 degree
- 3) Which of these English words reads the same on half a turn?
a) ZOOM b) MOW c) SWIMS d) SIS e) NOON
- 4) 1 meter 5 centimeter=.....meter
a) 105 meter b) 10.5 meter c) 1.05 meter d) 1.5 meter
- 5) An egg costs two and half rupees. How much will one and half dozen cost
a) Rs. 30 b) Rs 45 c) Rs 25 d) Rs 35
- 6)



7) Ans : (a)



- 8) Name one state which does not have the sea on any side:
a) Maharshtra b) Andhra Pradesh c) Madhya Pradesh d) West Bengal
- 9) Manju had a chocolate with 12 pieces. She gave one-fourth of it to Razi, one-third to Sugandha, and one-sixth to Sheela. She ate the remaining part. How many pieces of chocolate did Manju get:
a) 2 b) 3 c) 4 d) 5

10) An angle greater than Right angle but less than straight angle is called

- a) Acute angle b) Obtuse angle c) Right angle

B. Fill in the blanks : (Each question carry 1 marks)

- 1) An angle less than a right angle is called.....angle.
- 2) $\frac{1}{2}$ = ----- = ----- = ----- = ----- = -----
- 3) Give half a turn to the numbers from 0 to 9. Find which of them still looks the same.....
- 4) Factors of 36 are.....
- 5) Arun wanted to buy a soap. Cost of soap is Rs. 8.75. He has a 5-rupee coin. 2 one-rupee coins and 4 half- rupee coins. Write in rupees what money he will get back?.....
- 6) The Karnatka team starts from Bangalore and moves in the north direction. Name states it cross to reach Delhi.....
- 7) A person starts from Jammu and Kashmir to reach delhi. Which direction will he move.....
- 8) If 1 cm on the map shows 200 km on the ground. If map measures 3.5 cm then how far distance on the ground.....
- 9) Is there any state west of Gujrat.....
- 10) Is there any state north of Jammu and Kashmir.....

C. Very short answer questions : (Each question carry 2 marks)

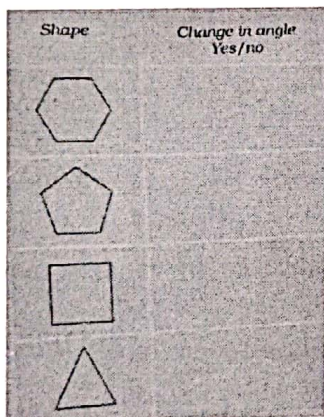
1. Gracy took a loan of Rs. 4000 to buy a net. She paid back Rs. 345 every month for one year. How much money did she pay back to the bank.

Solution : Loan amount= Rs. 4000

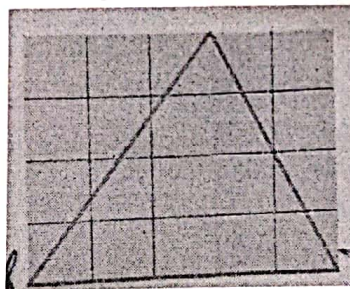
Paid in 1 month= Rs. 345

Paid in 1 year =Rs. 345 x12 (1 year=12 months)
= Rs. 4140

2. Find out how many angles are there in each of these shapes made by using tube pieces and matchsticks. Mark them. Now push each shape downwards with the tip of your finger. Find out and write your results in the table given.



3. Find the area



of the triangle:

Solution 3 : Area of triangle= $\frac{1}{2}$ of green rectangle+ $\frac{1}{2}$ of yellow rectangle
 $=\frac{1}{2} \times 8 + \frac{1}{2} \times 12$
 $=4 + 6 = 10 \text{ sq cm}$

4. How many 50 paise will make one rupee?.....
 Is 50 paise half of one rupee?.....
 How many 25 paise will make one rupee?.....

25 paise ispart of one rupee?

20 paise is.....part of one rupee?

How many 10 paise will make one rupee?

So 10 paise is.....part of one rupee.

5. Find out which letters in the English alphabet look the same after half a turn.
6. Cheggu was happy. He took 100 meters of wire and tried to make different rectangles.

Write any two rectangles and their area.

Solution : Perimeter of Rectangle = $2 \times (L+B)=100$ meters

So, $L+B=100/2=50$ meters

Two sizes are 1. $L=30$ meter, $B=20$ Meter , Area= $L \times B=30 \times 20=600$ sq meter

2. $L=40$ meter, $B= 10$ meter , Area= $L \times B=40 \times 10=400$ sq meter

7. Make three rectangles A, B, C for 800 sq meter land and find length of boundary of all.

Solution : Area of Land=Length x Breadth=800 sq meter

Three sizes are= 40×20 , Perimeter= $2 \times (40+20) =120$ Meter

= 80×10 , Perimeter= $2 \times (80+10) =180$ Meter

= 160×5 , Perimeter= $2 \times (160+5) =330$ Meter

8. Arbaz plans to tile his kitchen floor with green square tiles. Each side of the tile is 10 cm. His kitchen is 220 cm in length and 180 cm wide. How many tiles will he need?

Solution : Size of kitchen= 220 cm x 180 cm

Size of tiles=10 cm x10 cm

Tiles in one row= $220/10=22$ Nos

Tiles in one column= $180/10=18$ Nos

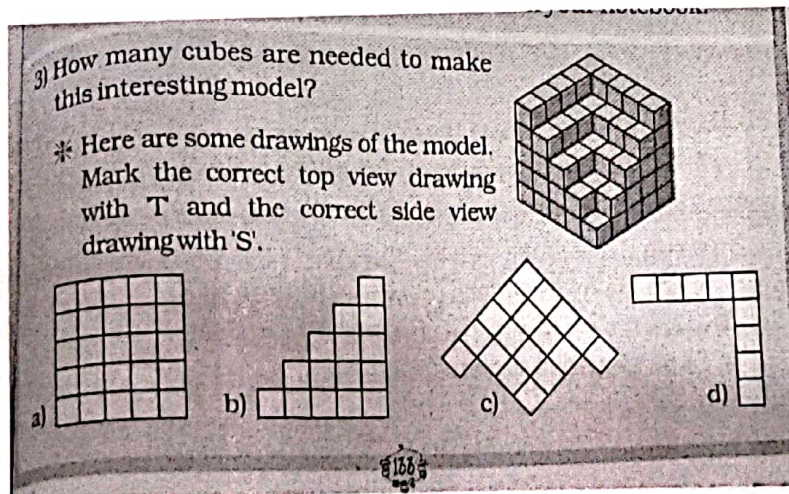
Total tiles= $22 \times 18=396$ Nos

9. The fencing of a square garden is 20 m in length. How long is one side of the garden?

Solution : Fencing means Perimeter of square garden= $4 \times$ side of garden= 20 m

So, side of garden= $20/4= 5$ meter

10.



D. Short answer questions: (Each question carry 3 marks)

1. Draw the hands of the clock when they make an angle which is less than a right angle.

Also write the time. Ans: 2:00 Hours



2. Ramu's vegetable field has 9 equal parts. What vegetables does he grow?

1) Which vegetable grows in the biggest part of his field? What part?

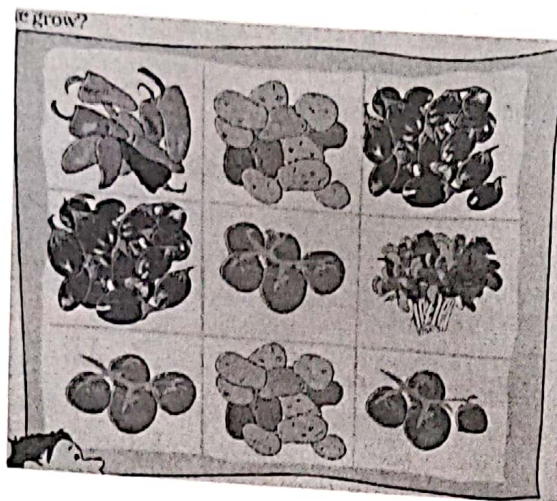
Ans: Tomato = $\frac{3}{9} = \frac{1}{3}$ part

2) On what part of the field does he grow potatoes?

Ans: $\frac{2}{9}$ part

3) What part of the field is used to grow spinach? What part is used for brinjals?

Ans: $\frac{1}{9}$



3. Think of all 2,3,4 digit numbers which look the on half a turn.

a) 2 digit numbers...11,88.....

b) 3 digit numbers...101,808,111,888,181,818

c) 4 digit numbers...1001,1111,8008,1881,8118,8888

4. The hungry cat is trying to catch Kunjan the mouse. Kunjan is now on the 14th step and it can jump 2 steps at a time. The cat is on the third step. She can jump 3 steps at a time. If the mouse reaches 28 it can hide in the hole. Find out whether the mouse can get away safely!

a) The steps on which the mouse jumps.....16,18,20,22,24,26,28

b) The steps on which the cat jumps.....6,9,12,15,18,21,24,27

c) The steps on which both the cat and mouse jump.....18,24

d) Can the mouse get away? Yes

5. Manoj has made a new house. He wants to lay tiles on the floor. The size of the room is 9 feet x 12 feet. In the market, there are three kinds of square tiles : 1 foot x 1 foot. 2 feet x 2 feet and 3 feet x 3 feet. Which size of tile should he buy for his room, so that he can lay it without cutting?

Solution: Factor of 9=1,3,9

Factor of 12=1,3,4,6,12

Common factors of 9 and 12 are=1,3

So, tiles of size 1 feet and 3 feet can be bought.

6. 576 books are to be packed in boxes. If one box has 24 books. How many boxes are needed?

Solution: Total books=576

24 books in=1 box

So, 876 books in= $576/24=24$ boxes

7. 836 people are watching a movie in a hall. If the hall has 44 rows, how many people can sit in one row?

Solution: Total people=836

Rows=44

People in one row= $836/44=19$ people

8. A gardener bought 458 apple trees. He wants to plant 15 trees in each row. How many rows can he plant? How many trees would be left over?

Solution: Total apple trees=458

Planting of 15 trees in= 1 row

So, Planting of 458 trees in= $458/15=30$ rows and 8 trees left over

9. A thin wire 20 cm long is formed into a rectangle. If the width of this rectangle is 4 cm, what is its length?

Solution: Perimeter of rectangle=20 cm

Width of rectangle=4 cm

Length of rectangle= $\text{Perimeter}/2 - \text{width}$

$$=20/2 - 4$$

$$=6 \text{ cm}$$

10. A square carrom board has a perimeter of 320 cm. how much is its area?

Solution: Perimeter of square carom board=320 cm

Side of carom board= $\text{Perimeter}/4$

$$=320/4=80 \text{ cm}$$

Area of square= side x side

$$= 80 \times 80 = 6400 \text{ sq cm}$$

- E. Long answer questions:(Each question carry 5 marks)

1. When fresh fish is dried it becomes $1/3$ its weight. In one month they plan to dry 6000 kg of fresh fish. How much dried fish will they get in a month ? If they buy fresh fish for Rs. 15/kg and sell dried fish for Rs. 70/kg what money they will earn in one month?

Solution : Weight of 1 kg fresh fish= $1/3$ kg of dried fish

Weight of 6000 kg fresh fish= $6000 \times 1/3=2000$ kg dried fish

Buy price of fresh fish= Rs. 15/ kg

Buy price of fresh fish = $6000 \times 15= \text{Rs.}90000$

Sell price of dried fish= Rs. 70/kg

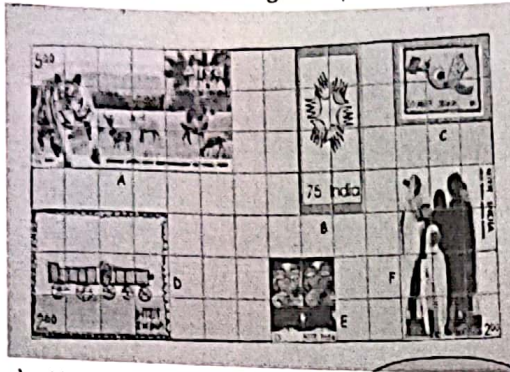
Sell price of dried fish = $2000 \times 70 = \text{Rs.}140000$

Earning in one month= Buy price-sell price

$$\text{Rs. } 140000 - \text{Rs. } 90000$$

$$= \text{Rs. } 50000$$

2. Look at these interesting stamps.



- How many squares of 1 cm side does stamp A cover?.....18.....And stamp B?.....8.....
 - Which stamp has the biggest area? =A. How many squares of side 1 cm does the stamp cover?=18. How much is the area of the biggest stamp?.....18.....sq cm.
 - Which two stamps have the same area?.....D and F.....How much is the area of each of these stamps?.....12.....sq cm.
 - The area of the smallest stamp is.....4.....sq cm. the difference between the area of the smallest and the biggest stamp is.....14.....sq cm.
3. Rani, Geeta and Naseema live near each other. The distance from their houses to the road is 90 feet. They decided to tile the path of the road. They all bought tiles of different designs and length. Rani bought the shortest tile, Geetha bought the middle sized one and Naseema bought the longest one. If they could tile the path without cutting any of the tiles, what is the size of the tiles each has bought. Suggest 3 different solutions. Explain how you get the answer?

Solution : Total length of road=90 feet

Factors of 90=1,2,3,5,6

Solution 1 = Rani= 1 feet

Geetha=2 feet

Naseema= 3 feet

Solution 2 =Rani= 2 feet

Geetha=3 feet

Naseema= 4 feet

Solution 3 = Rani= 3 feet

Geetha=4 feet

Naseema= 5 feet

4. Smart adding:

1+2+3+4+5+6+7+8+9	+10	=55
11+12+	+20	=155
21+	+30	=
31+	+40	=
41	+50	=
51	+60	=
61	+70	=

5. A tank is full of 300 L of water. How much water will be filled in 25 tanks? If 15 buckets can be filled with one tank of water, how many buckets in all can be filled with the water in 25 tanks?

Solution: Water in 1 tank=300 L

Water in 25 tanks= $300 \times 25 = 7500$ L

Water of 1 tank can be filled in=15 buckets

Water of 25 tanks can be filled in= $15 \times 25 = 375$ buckets

6. There are 28 laddos in 1 kg. How many laddos will be there in 12 kg? If 16 laddos can be packed in 1 box. How many boxes are needed to pack all these laddos?

Solution: In 1 kg =28 laddos

In 12 kg= $28 \times 12 = 336$ laddos

16 laddos in = 1 box

336 laddos in= $336/16=21$ box

7. There are 26 rooms in a school. Each room has 4 plants. If each plant needs 2 cups of water, how much water do we need for all the plants?

Solution : Total rooms=26

In one room=4 plants

In 26 rooms= $26 \times 4 =104$ plants

For 1 plant= 2 cup water

For 104 plants= $2 \times 104 =208$ cups of water

8. Shyamli bought a battery. She read on it 'Life:2000 hours'. She uses it throughout the day and the night. How many days will the battery run?

Solution : Total life of battery =2000 hours

24 hours =1 day and night

So, 2000 hours= $2000/24=83$ days 8 hours

So, battery will run 83 days and night and 8 hours.

9. Sumita stood on the road for half an hour and counted the number of vehicles passing by. She made a tally mark for each vehicle.

	Tally Marks	Number
Cycle		5
Car		3
Auto rickshaw		4
Bus		3
Cycle rickshaw		5
Truck		1

- 1) Write the number of each vehicle in the table.
- 2) How many vehicles in all did sumita see on the road in half an hour?
- 3) Auto rickshaws are thrice the number of trucks- true/false?
- 4) Make tally marks for 7 more buses, and two more trucks.

10. Sanya, Aarushi, Manav and Kabir made greeting cards. Complete the table for their cards. Complete the table for their cards:

Whose card	Length	Width	Perimeter	Area
Sanya	10 cm	8 cm		
Manav	11 cm		44 cm	
Aarushi		8 cm		80 sq cm
Kabir			40 cm	100 sq cm