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## SECTION A

**(10 x 1= 10)**

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- 1) How many cubes of side 2 cm can fit into a cuboid of dimensions 8 cm x 4 cm x 2cm?  
a) 8                                      b) 12                                      c) 16                                      d) 32
- 2) Observe the pattern and find the missing number: 5,10,20,40, \_\_\_\_\_,160  
a) 60                                      b) 70                                      c)80                                      d) 90
- 3) A rectangle has a perimeter of 50 cm. If its length is 15cm, what is its area?  
a) 150 sq.cm                              b) 160 sq.cm                              c) 175 sq.cm                              d) 180 sq.cm
- 4) A number when divided by 24 gives a quotient of 18 and a remainder of 6.What is the number?  
a) 438                                      b)432                                      c) 444                                      d) 450
- 5) A cuboid has a length of 12cm, breadth of 8cm and height of 5 cm. What is its volume?  
a) 240 cu.cm                              b) 480 cu.cm                              c) 360 cu.cm                              d) 400 cu.cm
- 6) In a pictograph, one symbol represents 40books.If 3 and half symbols are shown for Science books, then the total number of Science books is \_\_\_\_\_  
a) 110 books                              b) 120 books                              c)130 books                              d)140 books
- 7) A pie chart shows that one-fourth of the students like Mathematics. If the total number of students is 320, then the number of students who like Mathematics is \_\_\_\_\_  
a) 80 students                              b) 85 students                              c) 55 students                              d) 75 students
- 8) A water tank holds900litresof water. If 15 litres are filled into each bucket, how many full buckets can be filled?  
a) 50                                      b) 60                                      c) 75                                      d) 90
- 9) How many 1cu.cm cubes are needed to completely fill a box of dimensions 8cm x 5 cm x 4 cm?  
a) 40                                      b) 80                                      c) 160                                      d) 200
- 10) A shopkeeper packs 157chocolates equally into 8 boxes. How many chocolates are left over?  
a) 17                                      b) 19                                      c) 21                                      d) 5

Q3. Solve the following:

(5X2=10)

- 1) Observe the pattern and answer the questions: **1,4,9,16,25**, \_\_\_\_, \_\_\_\_  
Write the next two numbers and mention the rule of the pattern.
- 2) Find the value of  $4.79 + 8.8 + 9$
- 3) If the perimeter of a square is 44 cm, find the length of each side of the square.
- 4) A bus can carry 86 people. How many buses will carry 19006 people?
- 5) The edge of a cubical tank is 3.2m. Find its volume.

### SECTION B

Q4 to Q11

(8 x 3 = 24)

Q4. Find all the factors of 36 and state whether 36 is a perfect square or not. Give reason

Q5. Fill the given square using all the numbers from 48 to 56 in such a way that the total of each line and diagonal is 156.

	52	
49		53

Q6. How many small cubes of 1cm side can be placed in a cube of side 3cm?

Q7. Write in descending order in the given box:

0.34	0.134	0.104	0.034	0.304	1.304	0.0009

Q8. Draw the 3D shape, its net and mentions its number of faces, edges and vertices

- a) Triangular pyramid
- b) Square pyramid

Q9. Divide and verify your answer:  $60529 \div 72$

OR

What should be multiplied by 58 to get 13456?

Q10. A swimming club has 240 members, 60 of them like to swim on Saturday evenings, 120 on Sunday mornings and 60 on Sunday evenings. Make a pie chart to the data.

Q11. The perimeter of a triangle is 28cm. If one of its side is 6.5cm and second side is 9.9cm. What will be the length of its third side?

Q12 to Q15

(4 x 4 = 16)

Q12. Mr. Bansal owns a squash factory. The factory needs 875 litres water everyday to make squashes. How much water would the factory be consuming in 3 weeks? Also, if one bottle of squash costs Rs. 25, what is the cost of 433 such bottles?

Q13. How many bricks each 24cm long, 12.5cm wide and 8cm thick will be required to build a wall 18m long, 2.5m high and 40cm thick?

Q14. Solve the following:

a) Difference between 35.123 and 34.321

b) Add together  $5.03 + 2.65 + 12.371$

OR

a) 0.65 in fraction is \_\_\_\_\_

b)  $397/1000$  in decimal is \_\_\_\_\_

c) Place value of 8 in the decimal number 97.538 is \_\_\_\_\_

d) Expanded form for 0.024 is \_\_\_\_\_

Q15. Complete the table:

Side of Square	Area (in square metres)
18m	
13.4m	
2.35m	
12m	

Q16 and Q17

(2 x 5 = 10)

Q16. Write all the factors of 20, 30 and 60. Find their common factors and HCF.

OR

Find the 2<sup>nd</sup>, 6<sup>th</sup> and 11<sup>th</sup> common multiple of 12 and 18 and also mention the LCM.

Q17. Kriti is a baker. She kept the record of each type of pastries she sold on a holiday, using tallies in the form of a table. Study the data given below and present the same in the form of tally marks. Answer to the following questions:

Pastries	Number of pastries	Tally Marks
Vanilla	36	
Chocolate	20	
Black Forest	24	
pineapple	30	

a) Which pastry was sold the most?

b) Which pastry was sold the least?

c) Which type of pastry is most liked by Kriti's customers?

d) What was the total number of pastries sold on a holiday?