CBSE Board
Class VI Mathematics
Term I
Sample Paper - 5

Time: 2 hour **Total Marks: 50**

General Instructions:

1. **All** questions are **compulsory**.
2. The question paper consists of **28** questions and it is divided into **three sections** A, B and C.
3. **Section A** comprises of **10** questions carrying 1 mark each.
4. **Section B** comprises of **14** questions carrying 2 marks each.
5. **Section C** comprises of **4** questions carrying 3 marks each.
6. Question numbers **1 to 10** in **Section A** are multiple choice questions where you are to select **one** correct option out of the given four.

Section A
(Questions 1 to 10 carry 1 mark each)

1. Choose the smaller decimal number.
   A. 0.1258
   B. 0.1254
   C. 0.1257
   D. 0.1259

2. If the marks of 5 students out of 50 in a math exam are:
   45, 32, 47, 21, 42 then the difference between maximum and minimum marks is:
   A. 28
   B. 24
   C. 25
   D. 26

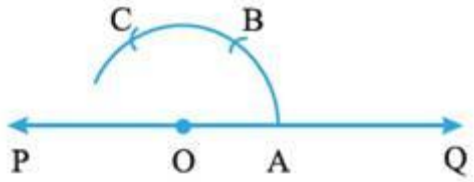
3. The side of a regular hexagon with perimeter 84 cm is
   A. 21 cm
   B. 28 cm
   C. 7 cm
   D. 14 cm

4. The solution of equation "7p - 1 = 55" is:
   A. 5
   B. 2
   C. 8
   D. 7

5. Cost of a car is Rs 2,50,000 and that of a motorbike is Rs 50,000. The ratio of cost of car to the bike is:
   A. 15 : 5
   B. 25 : 1
   C. 1 : 5
   D. 5 : 1

6. The number of lines of symmetry in an equilateral triangle is ___.
   A. four
   B. two
   C. three
   D. one

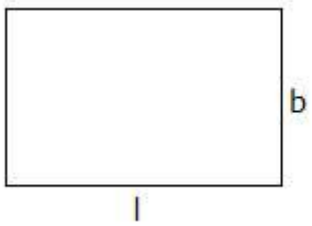
7. In the following figure if O is joined with B then the angle formed is:



   A. 60^o
   B. 120^o
   C. 90^o
   D. 180^o

8. The sum of 4.39 and 7.06 is _____
   A. 10.45
   B. 11.405
   C. 11.45
   D. 11.43

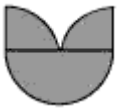
9. The perimeter of following rectangle can be expressed as:

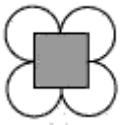


   A. 2l + b
   B. l + 2b
   C. 2(l + b)
   D. 2lb

10. Which of the figure has six lines of symmetry?

A.

B. 

C. 

D.

Section B

(Questions 11 to 24 carry 2 marks each)

11. Compare 0.4531 and 0.4507. Which is greater?

12. Study the following chart and answer the questions given below.

Favorite Apples for Snacks	
Type of Apple	Tally
Macintosh	𝍸
Baldwin	|
Fuji	||
Granny Smith	𝍸 ||
Golden Delicious	||

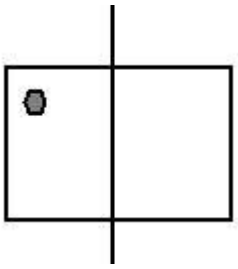
(a) Which type of Apple is most favourite?
(b) Which type of Apple is less favourite?

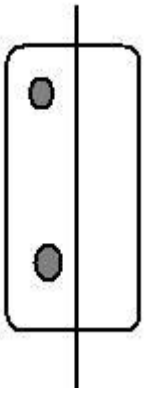
13. Find the cost of cutting crop from a field of length and breadth 50 m and 60 m respectively, at the rate of Rs. 18 per sq. m.

14. Express each of the following as an algebraic expression.
(a) y subtracted from the sum of x and 9.
(b) Predecessor of number y.

15. In a class of 40 students there are 30 boys, find the following ratios:
(a) Ratio of girls to boys
(b) Ratio of girls to total number of students

16. Given the line of symmetry, find the other hole(s) in the following figures.

(i) 

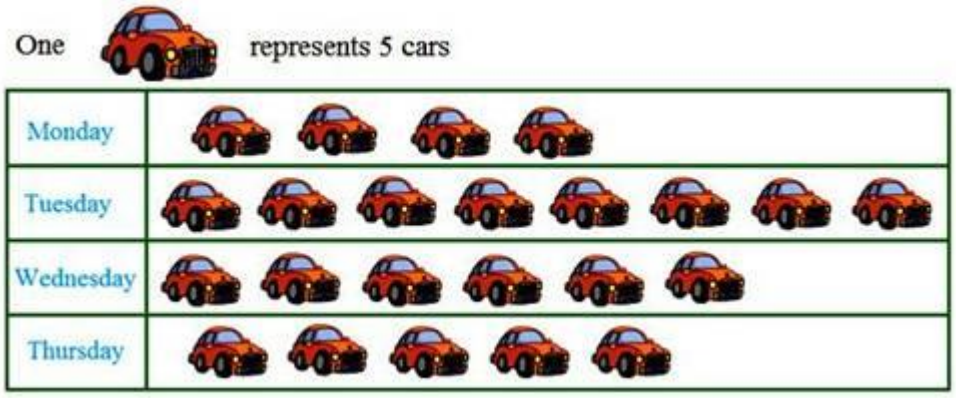
(ii) 

17. Given two line segments $\overline{AB}$ and $\overline{CD}$ of lengths 6.4cm and 4cm respectively, construct a line segment whose length is $\overline{AB} - \overline{CD}$.

18. A train travels 4800 km in 24 hours. How long will it take to travel 600 km?

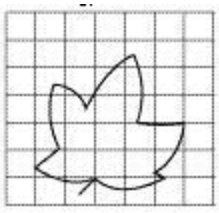
19. Write 4.3 as mixed number in simplest form.

20. Following table shows the sale of car in a car showroom.



Read the graph and answer the questions:
(a) Number of cars sold on Monday.
(b) On which day minimum sale happened?

21. Find the area of the following figure by counting the squares:



22. Determine if 6 is the solution of the equation 3x-10=8.

23. If the interest on a sum of Rs 5250 for a year is Rs 420, what is the rate percent of interest per annum?

24. Draw the mirror line in the following alphabets.

Section C
(Questions 25 to 28 carry 3 marks each)

25. Sachin made 90 runs in 45 balls and Sehwag made 27 in 9 balls. Who made more runs per over?

26. The marks obtained by Kunal in his annual examinations are shown below:

Subject	Hindi	English	Mathematics	Science	Social Studies
Marks	63	75	90	72	58

Draw a bar graph to represent above data.

27. Construct an angle ABC = 30^{o}. Draw the bisector of this angle.

28. Rohit runs around a triangular field of side 30 m each and Mohit runs around a square field of side 25 m. Who covers more distance and by how much?