CBSE Board
Class VIII Mathematics
Term I
Sample Paper - 1

Time: 1 hour | Total Marks: 25

General Instructions:

1. **All** questions are **compulsory**.
2. The question paper consists of **14** questions and it is divided into **three sections** A, B and C.
3. **Section A** comprises of **6** questions carrying 1 mark each.
4. **Section B** comprises of **5** questions carrying 2 marks each.
5. **Section C** comprises of **3** questions carrying 3 marks each.
6. Question numbers **1 to 6** 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 6 carry 1 mark each)

1. On a number line, 2.5 will lie: [1]

A. To the left of 2
B. In between 2.6 and 2.7
C. In between 2.4 and 2.7
D. To the left of 0

2. 20% of x stands for _____. [1]

A. $\frac{x}{3}$
B. $\frac{x}{5}$
C. $\frac{x}{6}$
D. 0.02x

3. A pentagon has _____ vertices. [1]

A. 5
B. 6
C. 7
D. 8

4. The tally mark 𝍸𝍸𝍸 represents the frequency: [1]

A. 10
B. 11
C. 13
D. 14

5. Which of the following numbers is a square as well as a triangular number? [1]

A. 1
B. 6
C. 10
D. 28

6. Cube root of (-8) x (-343) x (125) is: [1]

A. -70
B. 70
C. -35
D. 35

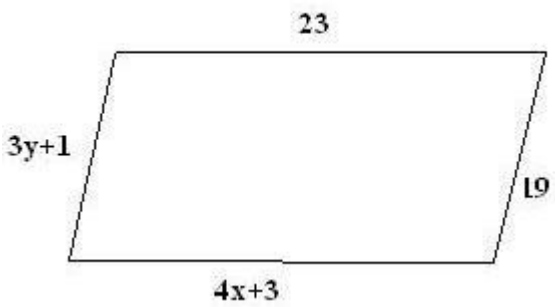
Section B
(Questions 7 to 11 carry 2 marks each)

7. Solve the following expression using properties of rational numbers: [2]

$$\frac{2}{5}\times\frac{-3}{7}-\frac{1}{14}-\frac{3}{7}\times\frac{3}{5}$$

8. Divide 64 into two parts such that three times the greater part will be equal to five times the smaller one. [2]

9. Find x and y in the given parallelogram. [2]



10. In an auditorium, the number of rows is equal to the number of chairs in each row. If the capacity of the auditorium is to accommodate 1764 chairs, find the number of chairs in each row. [2]

11. In a collection of 35 lotteries, there are 10 prizes and 25 blanks. A lottery is drawn at random. What is the probability of getting a prize? [2]

Section C
(Questions 12 to 14 carry 3 marks each)

12. The following data shows the number of adult visitors and child visitors to a park. Construct a double bar graph for the given data. [3]

Month	April	May	June
Number of adult visitors	300	500	700
Number of child visitors	200	600	600

13. What is the smallest number by which 3087 must be multiplied so that the product is a perfect cube? [3]

14. In what time will Rs 1000 amount to Rs 1331 at 10% per annum, compounded annually? [3]