MATHEMATICS

Class-7th

Chapter-01

Integers

Self-Practice

part-III

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Q. 1. The distance above the ground is represented by positive integers and the distance below the ground by negative integers. In a coalmine an elevator takes the miners into the mine at the rate of 10 metre per minute.

(i) What will be its position after 50 minutes?

(ii) If it begins to descend from a point 25 metres above the ground what will be its position after 25 minutes?

Q. 2. In a test (+5) marks are given for every correct answer and (-3) marks are given for every incorrect answer.

(i) Sheela answered all the questions and scored 38 marks though she got correct answer of total 10.

(ii) Jay also answered all the questions and scored (-16) marks though he got 4 correct answers.

How many incorrect answers had they attempted?

Q.3. Simplify :-

(i) $3 + (21 - 40) \times 2$

(ii) $[12 + (-9 \div 3)] - 11$

(iii) $\frac{1}{2}$ of $2 + 2$.

Q.4. Solve :-

(i) $4 - \frac{3}{7}$ (ii) $\frac{3}{5} + \frac{4}{7}$ (iii) $\frac{3}{11} - \frac{4}{15}$

(iv) $\frac{2}{9} + \frac{3}{5} + \frac{1}{2}$ (v) $2\frac{1}{4} + 3\frac{1}{7}$ (vi) $8\frac{1}{3} - 3\frac{5}{4}$

Q.5. Arrange the following in ascending order :-

$$\frac{2}{9}, \frac{3}{7}, \frac{3}{4}.$$

Q.6. Arrange the following in descending order :-

$$\frac{2}{3}, \frac{3}{7}, \frac{4}{9}.$$

Q.7. A rectangular sheet of paper is $10\frac{1}{2}$ cm long and $10\frac{2}{3}$ cm wide. Find its perimeter.

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