CHAPTER -2 Fractions and Decimals | CLASS 7TH MATHS IMPORTANT QUESTIONS

Important Questions

Question 1.
If 23 of a number is 6, find the number.
Solution:
Let x be the required number.

$$\therefore \frac{2}{3} \text{ of } x = 6 \Rightarrow \frac{2}{3} \times x = 6$$

$$\Rightarrow x = 6 \div \frac{2}{3} = \cancel{6}^{3} \times \frac{3}{\cancel{2}} = 3 \times 3 = 9$$

Hence, the required number is 9.

Question 2.
Find the product of 67 and 223.
Solution:

$$\frac{6}{7} \times 2\frac{2}{3} = \frac{\cancel{6}^{2}}{7} \times \frac{8}{\cancel{3}} = \frac{2 \times 8}{7 \times 1}$$

$$= \frac{16}{7} = 2\frac{2}{7}$$

$$7\overline{)16}\,(2$$
$$-\underline{14}$$
$$2$$

Question 3.
Solve the following:

$$\frac{2}{3} + \frac{4}{5} \div \frac{2}{5} - 3$$

Solution:

$$\frac{2}{3} + \frac{4}{5} \div \frac{2}{5} - 3 = \frac{2}{3} + \frac{\cancel{4}^{2}}{\cancel{5}} \times \frac{\cancel{5}}{\cancel{2}} - 3$$

$$= \frac{2}{3} + 2 - 3 = \frac{2}{3} - 1 = \frac{2-3}{3} = -\frac{1}{3}$$

Question 4.
Multiply 2.05 and 1.3.
Solution:

$$2.05 \times 1.3 = \frac{205}{100} \times \frac{13}{10} = \frac{2665}{1000} = 2.665$$