

RD Sharma
Solutions

Class 7

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Exercise 11.4

Q.1 Find each of the following:

(i) 7% of 7150

(ii) 40% of 400 kg

(iii) 20% of 15.125 litres

(iv) $3\frac{1}{3}\%$ of 90 km

(v) 25% of 600 metres.

Solution: (i) 7% of 7150 = $\frac{7}{100} \times 7150$
= Rs 500.50

(ii) 40% of 400 kg = $\frac{40}{100} \times 400 = 160$ kg

(iii) 20% of 15.125 litres = $\frac{20}{100} \times 15.125 = 3.025$ litres

(iv) $3\frac{1}{3}\%$ of 90 km = $\frac{10}{3}\%$ of 90
= $\frac{10}{300} \times 90 = 3$ km

(v) 25% of 600 metres = $\frac{25}{100} \times 600 = 15$ metres.

Q.2 Find the number whose $12\frac{1}{2}\%$ is 64

Solution: let the number be x

$12\frac{1}{2}\%$ of x = 64

⑥

$$\frac{25}{2} \% \text{ of } x = 64$$

$$\Rightarrow \frac{25}{200} \times x = 64$$

$$= \frac{1}{8} x = 64 \Rightarrow x = 64 \times 8 = 512$$

Q.3 What is the number, $6\frac{1}{4} \%$ of which is 2?

Solution Let the number be x

$$6\frac{1}{4} \% \text{ of } x = 2$$

$$\Rightarrow \frac{25}{4} \% \text{ of } x = 2$$

$$\Rightarrow \frac{25}{400} \times x = 2 \Rightarrow \frac{1}{16} x = 2$$

$$\Rightarrow x = 32$$

Q.4 If 6 is 50% of a number, what is that

Solution: Let number be x

$$50\% \text{ of } x = 6$$

$$\Rightarrow \frac{50}{100} \times x = 6$$

$$\Rightarrow \frac{1}{2} x = 6 \Rightarrow x = 12$$
