

RD Sharma
Solutions

Class 7

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Chapter - 11

Percentage

Exercise 11.1

Q.1 Express each of the following percents as fractions in the simplest forms:

Soln (i) 45%. (ii) 0.25%. (iii) 150%. (iv) $6\frac{1}{4}\%$.

Solution: (i) $45\% = \frac{45}{100} = \frac{9}{20}$

(ii) $0.25\% = \frac{25}{100}\% = \frac{25}{100 \times 100} = \frac{1}{400}$

(iii) $150\% = \frac{150}{100} = \frac{3}{2}$

(iv) $6\frac{1}{4}\% = \frac{25}{4}\% = \frac{25}{400} = \frac{1}{16}$

Q.2 Express each of the following fractions as a percent:

(i) $\frac{3}{4}$

(ii) $\frac{53}{100}$

(iii) $1\frac{3}{5}$

(iv) $\frac{7}{20}$

Solution: (i) $\frac{3}{4} \times 100 = \frac{300}{4} = 75\%$

(ii) $\frac{53}{100} \times 100 = 53\%$

(iii) $1\frac{3}{5} = \frac{8}{5} \times 100 = 160\%$ (iv) $\frac{7}{20} \times 100 = 35\%$