

RD Sharma
Solutions

Class 7

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Exercise 11.2

Q.1 Express each of the following ratios as percents:

(i) $4:5$

(ii) $1:5$

(iii) $11:125$

Solution: (i) $4:5 = \frac{4}{5} = \frac{4}{5} \times 100 = 80\%$

(ii) $1:5 = \frac{1}{5} = \frac{1}{5} \times 100 = 20\%$

(iii) $11:125 = \frac{11}{125} = \frac{11}{125} \times 100 = \frac{44}{5}\%$

Q.2 Express each of the following percents as ratio in the simplest forms:

(i) 2.5%

(ii) 0.4%

(iii) $13\frac{3}{4}\%$

Solution: (i) $2.5\% = \frac{2.5}{100} = \frac{25}{1000} = \frac{1}{40}$

(ii) $0.4\% = \frac{0.4}{100} = \frac{4}{1000} = \frac{1}{250}$

(iii) $13\frac{3}{4}\% = \frac{55}{4}\% = \frac{55}{400} = \frac{11}{80}$