

2-12-2020

Exercise 8.1

Q.2

b. 7:50

→ Antecedent = 7
Consequent = 50

c. 35:10

→ Antecedent = 35
Consequent = 10

d. 191:256

→ Antecedent = 191
Consequent = 256

Q.3

b. 48:72

→ $\frac{48}{72} = \frac{2}{3} = 2:3$
 $\begin{matrix} 24 & 12 & 6 & 2 \\ 36 & 18 & 9 & 3 \end{matrix}$

Q.

c. $104:78$

$$\rightarrow \frac{104}{78} = \frac{52}{39} = 52:39$$

d. $101:256$

→

Q.4

b. 35mm to 77mm

$$\rightarrow \frac{35\text{mm}}{77\text{mm}} = \frac{3}{7} = 3:7$$

c. 240g to 1200g

$$\rightarrow \frac{240\text{g}}{1200\text{g}} = \frac{2}{1} = 2:1$$

d. 60paise to 20paise

$$\rightarrow \frac{60\text{p}}{20\text{p}} = \frac{6}{2} = 6:2$$

e. 5.6L to 8L

$$\rightarrow \frac{5.6\text{L}}{8\text{L}} = \frac{5}{8} = 5:8$$

as

b. 7kg to 630g

$$\rightarrow \frac{7}{1000} \times 1000 = 7000g$$

$$= \frac{7000}{630} \text{ g}$$

$$\frac{7000}{630} = \frac{700}{63}$$

$$= \frac{700}{63}$$

$$= 11:1$$

d. 1 hour to 36 min

$\rightarrow (1 \text{ hour} = 60 \text{ min})$

$$\frac{1}{60} \times 60 = 60 \text{ min}$$

$$\frac{60 \text{ min}}{36 \text{ min}} = \frac{5}{3}$$

$$= 5:3$$

e. 32m to 108 km

$$\rightarrow \frac{108}{1000} \times 1000$$

$$= \frac{108}{1000}$$

$$\frac{108}{1000} = \frac{27}{250}$$

$$= \frac{8}{27} = 8:27$$