



Exercise 2D

$$= \frac{25}{30} = \frac{5}{6}$$

Q8

Answer :

(d) $\frac{11}{12}$

$$\begin{aligned}\left(3\frac{1}{4} - 2\frac{1}{3}\right) &= \left(\frac{13}{4} - \frac{7}{3}\right) \\ &= \left(\frac{39-28}{12}\right) \quad [\because \text{LCM of 4 and 3} = 12] \\ &= \frac{11}{12}\end{aligned}$$

Q9

Answer :

(d) 144

$$\begin{aligned}36 \div \frac{1}{4} &= 36 \times 4 \quad [\because \text{Reciprocal of } \frac{1}{4} = 4] \\ &= 144\end{aligned}$$

Q10

Answer :

(b) $\frac{5}{7}$

$$\begin{aligned}\text{Required number} &= 1\frac{6}{7} \div 2\frac{3}{5} \\ &= \frac{13}{7} \div \frac{13}{5} \\ &= \frac{13}{7} \times \frac{5}{13} \quad [\because \text{Reciprocal of } \frac{13}{5} = \frac{5}{13}] \\ &= \frac{5}{7}\end{aligned}$$

$$= \frac{5}{7}$$

Q11

Answer :

(d) $2\frac{1}{4}$

$$\text{Required number} = 1\frac{1}{2} \div \frac{2}{3}$$

$$= \frac{3}{2} \div \frac{2}{3}$$

$$= \frac{3}{2} \times \frac{3}{2} \quad [\because \text{Reciprocal of } \frac{2}{3} = \frac{3}{2}]$$

$$= \frac{9}{4} = 2\frac{1}{4}$$

Q12

Answer :

(c) $2\frac{2}{5}$

$$1\frac{3}{5} \div \frac{2}{3} = \frac{8}{5} \div \frac{2}{3}$$

$$= \frac{8}{5} \times \frac{3}{2} \quad [\because \text{Reciprocal of } \frac{2}{3} = \frac{3}{2}]$$

$$= \left(\frac{4 \times 3}{5} \right) = \frac{12}{5} = 2\frac{2}{5}$$

Q13

Answer :

(d) $1\frac{5}{6}$

***** END *****