

Q3. Divide and write the answer in the lowest terms.

(a) $\frac{32}{15} \div \frac{56}{25}$

Sol. $\frac{32}{15} \div \frac{56}{25} = \frac{32}{15} \times \frac{25}{56} = \frac{4}{3} \times \frac{5}{7} = \frac{4 \times 5}{3 \times 7} = \frac{20}{21}$ Ans.

(b) $\frac{5}{4} \div \frac{15}{2}$

Sol. $\frac{5}{4} \div \frac{15}{2} = \frac{5}{4} \times \frac{2}{15} = \frac{1}{2} \times \frac{1}{3} = \frac{1 \times 1}{2 \times 3} = \frac{1}{6}$ Ans.

(c) $\frac{3}{8} \div \frac{21}{32}$

Sol. $\frac{3}{8} \div \frac{21}{32} = \frac{3}{8} \times \frac{32}{21} = \frac{1 \times 4}{1 \times 7} = \frac{4}{7}$ Ans.

$$(g) \frac{2}{3} \div \frac{1}{4}$$

$$\text{sol. } \frac{2}{3} \div \frac{1}{4} = \frac{2}{3} \times \frac{4}{1} = \frac{2 \times 4}{3 \times 1} = \frac{8}{3} = 2 \frac{2}{3} \text{ Ans.}$$

$$(h) \frac{7}{8} \div \frac{3}{4}$$

$$\text{sol. } \frac{7}{8} \div \frac{3}{4} = \frac{7}{8} \times \frac{4}{3} = \frac{7}{2} \times \frac{1}{3} = \frac{7 \times 1}{2 \times 3} = \frac{7}{6} = 1 \frac{1}{6} \text{ Ans.}$$

Do Ex. 3.6 Q3- (d), (e), (f) and (i) parts in homework.