

# Ex-9(D)

$$a) 45 \div \frac{3}{8} = \frac{45}{1} \times \frac{8}{3} = 120$$

$$b) 91 \div \frac{26}{27} = \frac{91}{1} \times \frac{27}{26} = \frac{2467}{26}$$

$$= 94 \frac{23}{26}$$

$$c) 12 \frac{4}{15} \div 2 \frac{1}{27} = \frac{194}{15} \times \frac{27}{5} = 6 \frac{6}{275}$$

$$d) \frac{3}{4} \div \frac{1}{2} \div \frac{6}{7} = \frac{3}{4} \times \frac{2}{1} \times \frac{7}{6} = \frac{7}{4}$$

$$e) 2 \frac{1}{4} \div 1 \frac{3}{10} \div \frac{3}{13}$$

$$= \frac{9}{4} \times \frac{10}{13} \times \frac{13}{3} = \frac{3}{4}$$

$$f) 4 \frac{2}{3} \div 1 \frac{1}{2} \div 1 \frac{2}{3}$$

$$= \frac{14}{3} \div \frac{3}{2} \div \frac{5}{3} = \frac{14}{3} \times \frac{2}{3} \times \frac{3}{5}$$

$$= \frac{28}{15} = 1 \frac{13}{15}$$

2) find the Quotient in its simplest form

$$a) \frac{3}{5} = \frac{3 \cdot 7}{5 \cdot 10} = \frac{3}{5} \times \frac{7}{10} = \frac{21}{50}$$

$$b) \frac{85}{16} = \frac{85 \cdot 9}{16 \cdot 14} = \frac{5}{16} \times \frac{14}{9} = \frac{35}{72}$$

$$c) \frac{8}{15} = \frac{8 \cdot 35}{15 \cdot 36} = \frac{8}{15} \times \frac{36}{35} = \frac{96}{175}$$

$$d) \frac{12}{17} = \frac{12 \cdot 5}{17 \cdot 1} = \frac{12}{17} \times \frac{5}{1} = \frac{60}{17}$$

$$\frac{12}{17} \times \frac{1}{5} = \frac{12}{85}$$

$$e) \frac{8}{7} = \frac{8 \div 7}{1} = \frac{8 \times 1}{7} = \frac{8}{7} = \frac{4}{21}$$

$$f) \frac{12}{4} = \frac{12 \div 4}{1} = \frac{12}{19} \times \frac{1}{4} = \frac{1}{38}$$

$$g) \frac{7}{28} = \frac{7 \div 28}{9} = \frac{7}{9} \times \frac{1}{28} = \frac{1}{36}$$

$$h) \frac{5}{10} = \frac{5 \div 10}{3} = \frac{5}{3} \times \frac{1}{10} = \frac{1}{6}$$

$$i) \frac{20}{7} = \frac{20 \div 7}{15} = \frac{20 \times 15}{7} = \frac{300}{7}$$

$$= \frac{42}{7}$$

$$j) \frac{10}{7\frac{2}{3}} = \frac{10}{1} \cdot \frac{3}{5} = \frac{\cancel{10}^2}{1} \times \frac{3}{\cancel{5}_1} = \frac{6}{1} = 6$$

$$k) \frac{24}{3\frac{1}{3}} = \frac{24}{1} \cdot \frac{3}{10} = \frac{\cancel{24}^{12}}{1} \times \frac{3}{\cancel{10}_5} = \frac{36}{5} =$$

$$7\frac{1}{5}$$

$$1) \frac{3\frac{3}{4}}{1\frac{1}{2}} = \frac{15}{4} \cdot \frac{2}{3} = \frac{\cancel{15}^5}{4} \times \frac{\cancel{2}^1}{\cancel{3}_1} = \frac{5}{2} = 2\frac{1}{2}$$