

Exercise 9 (D)

$$\frac{35}{44} \div 70 = \frac{35}{44} \times \frac{70}{1} = \frac{35 \times 70}{44} = \frac{35}{44} \times \frac{1}{70} = \frac{35}{3080} = \frac{7}{616} = \frac{1}{88}$$

$$\frac{12}{13} \div \frac{15}{13} = \frac{12}{13} \times \frac{1}{15} = \frac{12}{195} = \frac{4}{65}$$

$$\frac{8}{13} \div \frac{32}{13} = \frac{8}{13} \times \frac{13}{2} = \frac{1 \cdot 104}{4} = \frac{104}{4} = \frac{52}{2} = \frac{1}{4}$$

$$\frac{5}{12} \div \frac{10}{21} = \frac{5}{12} \times \frac{21}{10} = \frac{110}{120} = \frac{55}{60} = \frac{11}{12}$$

$$\frac{22}{25} \div \frac{11}{15} = \frac{22}{25} \times \frac{15}{11} = \frac{330}{275} = \frac{66}{55} = \frac{6}{5}$$

$$\frac{26}{27} \div \frac{13}{15} = \frac{26}{27} \times \frac{15}{13} = \frac{390}{351} = \frac{130}{117} = \frac{10}{9} = 1 \frac{1}{9}$$

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

$$k) 2 \frac{1}{4} \div 1 \frac{3}{10} \div \frac{3}{13} = \frac{5}{4} \times \frac{13}{10} \times \frac{3}{13} = \frac{5}{4} \times \frac{13}{10} \times \frac{3}{13} = \frac{15}{8} = 1 \frac{7}{8}$$

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

$$b) \frac{91}{1} \div \frac{26}{27} = \frac{91}{1} \times \frac{27}{26} = \frac{2457}{26} = \frac{189}{2} = 94 \frac{1}{2}$$

$$i) 12 \frac{4}{15} \div 2 \frac{1}{27} = \frac{184}{15} \times \frac{27}{45} = \frac{578}{675} = \frac{125}{225} = \frac{25}{45} = \frac{5}{9}$$

2) Find the ~~of~~ quotient in its simplest form :-

$$a) \frac{3}{5} \div \frac{7}{10} = \frac{3}{5} \times \frac{10}{7} = \frac{30}{35} = \frac{6}{7}$$

$$b) \frac{5}{16} \div \frac{9}{14} = \frac{5}{16} \times \frac{14}{9} = \frac{70}{144} = \frac{35}{72}$$

$$(c) \frac{8}{15} \div \frac{25}{36} = \frac{8 \times 36}{15 \times 25} = \frac{288}{375} = \frac{96}{125}$$

$$(d) \frac{12}{17} \div 5 = \frac{12}{17} \times \frac{1}{5} = \frac{12}{85}$$

$$(e) \frac{8}{6} \div 7 = \frac{8}{6} \times \frac{1}{7} = \frac{8}{42} = \frac{4}{21}$$

$$(f) \frac{2}{14} \div 4 = \frac{2}{14} \div 1 = \frac{1}{7}$$

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

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

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

$$(j) 10 \div 1\frac{2}{3} = \frac{10}{1} \times \frac{3}{5} = \frac{6}{1} = 6$$

$$24 \div 3 = 8$$

$$24 \div 4 = 6$$

$$24 \div 6 = 4$$

$$24 \div 8 = 3$$

$$24 \div 12 = 2$$

$$24 \div 24 = 1$$

$$3 \frac{3}{4} \div 1 = 3 \frac{3}{4}$$

$$3 \frac{3}{4} \div 2 = 1 \frac{1}{2}$$

$$3 \frac{3}{4} \div 4 = \frac{15}{4}$$

$$3 \frac{3}{4} \div 8 = \frac{15}{8}$$

$$3 \frac{3}{4} \div 12 = \frac{5}{4}$$

$$3 \frac{3}{4} \div 24 = \frac{1}{2}$$