

Exercise 1

Calculate each of these, giving your answer in its simplest form :

$$A = \frac{4}{9} - \frac{7}{18}$$

$$B = \frac{2}{3} - \frac{2}{21}$$

$$C = \frac{7}{9} - \frac{4}{45}$$

$$D = \frac{3}{14} + \frac{9}{7}$$

$$E = \frac{7}{4} - \frac{1}{2}$$

$$F = \frac{7}{6} - \frac{5}{48}$$

$$G = \frac{2}{27} + \frac{7}{9}$$

$$H = \frac{7}{5} + \frac{7}{45}$$

$$I = \frac{6}{7} + \frac{5}{56}$$

$$J = \frac{7}{8} + \frac{7}{80}$$

$$K = \frac{1}{10} + \frac{3}{40}$$

$$L = \frac{4}{3} + \frac{7}{6}$$

$$M = \frac{10}{7} - \frac{5}{63}$$

$$N = \frac{3}{8} - \frac{7}{80}$$

$$O = \frac{9}{8} - \frac{7}{24}$$

$$P = \frac{3}{70} + \frac{6}{7}$$

$$Q = \frac{9}{10} + \frac{9}{70}$$

$$R = \frac{7}{2} + \frac{3}{14}$$

$$S = \frac{5}{8} + \frac{3}{16}$$

$$T = \frac{3}{2} - \frac{9}{20}$$

$$U = \frac{3}{8} - \frac{3}{80}$$

$$V = \frac{5}{7} - \frac{8}{49}$$

$$W = \frac{7}{3} - \frac{5}{24}$$

$$X = \frac{5}{7} - \frac{9}{56}$$

$$Y = \frac{10}{7} - \frac{3}{56}$$

$$Z = \frac{9}{5} - \frac{4}{25}$$

Exercise 2

Calculate each of these, giving your answer in its simplest form :

$$A = \frac{9}{8} - \frac{5}{16}$$

$$B = \frac{1}{10} + \frac{7}{40}$$

$$C = \frac{9}{7} + \frac{8}{35}$$

$$D = \frac{1}{10} + \frac{9}{80}$$

$$E = \frac{7}{50} - \frac{1}{10}$$

$$F = \frac{7}{3} - \frac{5}{6}$$

$$G = \frac{9}{7} - \frac{4}{63}$$

$$H = \frac{7}{9} - \frac{8}{81}$$

$$I = \frac{5}{16} + \frac{9}{8}$$

$$J = \frac{4}{3} - \frac{10}{9}$$

$$K = \frac{9}{4} + \frac{5}{36}$$

$$L = \frac{5}{16} + \frac{3}{8}$$

$$M = \frac{10}{7} - \frac{5}{14}$$

$$N = \frac{4}{7} - \frac{3}{35}$$

$$O = \frac{9}{10} - \frac{9}{20}$$

$$P = \frac{7}{3} - \frac{8}{15}$$

$$Q = \frac{1}{5} - \frac{3}{35}$$

$$R = \frac{7}{6} - \frac{7}{54}$$

$$S = \frac{5}{3} + \frac{5}{18}$$

$$T = \frac{3}{28} + \frac{3}{4}$$

$$U = \frac{8}{63} + \frac{6}{7}$$

$$V = \frac{7}{6} - \frac{7}{48}$$

$$W = \frac{7}{10} + \frac{2}{5}$$

$$X = \frac{7}{6} + \frac{5}{36}$$

$$Y = \frac{1}{3} - \frac{2}{9}$$

$$Z = \frac{4}{3} - \frac{2}{9}$$

Exercise 3

Calculate each of these, giving your answer in its simplest form :

$$A = \frac{5}{9} - \frac{4}{27}$$

$$B = \frac{6}{5} + \frac{7}{25}$$

$$C = \frac{5}{4} - \frac{7}{8}$$

$$D = \frac{5}{7} - \frac{8}{63}$$

$$E = \frac{1}{7} + \frac{9}{35}$$

$$F = \frac{9}{7} - \frac{9}{14}$$

$$G = \frac{4}{9} - \frac{2}{45}$$

$$H = \frac{9}{2} + \frac{7}{12}$$

$$I = \frac{7}{5} + \frac{6}{25}$$

$$J = \frac{2}{5} + \frac{9}{40}$$

$$K = \frac{10}{63} + \frac{9}{7}$$

$$L = \frac{7}{8} - \frac{9}{16}$$

$$M = \frac{25}{21} \times \frac{49}{50}$$

$$N = \frac{5}{21} \times \frac{9}{10}$$

$$O = \frac{7}{45} \times \frac{15}{14}$$

$$P = \frac{56}{9} \times \frac{27}{70}$$

$$Q = \frac{8}{15} \times \frac{5}{72}$$

$$R = \frac{15}{56} \times \frac{64}{15}$$

$$S = \frac{56}{25} \times \frac{5}{32}$$

$$T = \frac{9}{49} \times \frac{56}{81}$$

$$U = \frac{49}{100} \times \frac{20}{49}$$

$$V = \frac{1}{24} \times \frac{36}{7}$$

$$W = \frac{27}{40} \times \frac{70}{81}$$

$$X = \frac{8}{81} \times \frac{63}{40}$$

$$Y = \frac{2}{63} \times \frac{63}{16}$$

$$Z = \frac{27}{40} \times \frac{4}{9}$$

Exercise 4

Calculate each of these, giving your answer in its simplest form :

$$A = \frac{40}{27} \times \frac{27}{80}$$

$$B = \frac{100}{21} \times \frac{27}{80}$$

$$C = \frac{7}{20} \times \frac{40}{3}$$

$$D = \frac{16}{25} \times \frac{35}{18}$$

$$E = \frac{8}{21} \times \frac{28}{3}$$

$$F = \frac{3}{16} \times \frac{2}{3}$$

$$G = \frac{4}{63} \times \frac{49}{24}$$

$$H = \frac{64}{15} \times \frac{35}{24}$$

$$I = \frac{5}{24} \times \frac{8}{9}$$

$$J = \frac{25}{6} \times \frac{12}{35}$$

$$K = \frac{45}{8} \times \frac{16}{45}$$

$$L = \frac{27}{80} \times \frac{80}{27}$$

$$M = \frac{32}{35} \times \frac{63}{40}$$

$$N = \frac{1}{20} \times \frac{12}{7}$$

$$O = \frac{27}{56} \times \frac{70}{27}$$

$$P = \frac{7}{8} \times \frac{2}{5}$$

$$Q = \frac{35}{12} \times \frac{36}{25}$$

$$R = \frac{5}{48} \times \frac{42}{5}$$

$$S = \frac{80}{63} \times \frac{21}{100}$$

$$T = \frac{50}{27} \times \frac{9}{10}$$

$$U = \frac{18}{25} \times \frac{5}{18}$$

$$V = \frac{5}{54} \times \frac{45}{8}$$

$$W = \frac{7}{30} \times \frac{48}{49}$$

$$X = \frac{2}{35} \times \frac{25}{14}$$

$$Y = \frac{35}{48} \times \frac{48}{35}$$

$$Z = \frac{25}{63} \times \frac{56}{15}$$

Exercise 5

Calculate each of these, giving your answer in its simplest form :

$$A = \frac{27}{50} \times \frac{10}{27}$$

$$B = \frac{63}{8} \times \frac{20}{81}$$

$$C = \frac{14}{25} \times \frac{25}{49}$$

$$D = \frac{4}{15} \times \frac{3}{8}$$

$$E = \frac{1}{40} \times \frac{30}{7}$$

$$F = \frac{3}{20} \times \frac{20}{7}$$

$$G = \frac{7}{12} \times \frac{4}{63}$$

$$H = \frac{7}{18} \times \frac{15}{4}$$

$$I = \frac{49}{10} \times \frac{2}{49}$$

$$J = \frac{8}{45} \times \frac{45}{16}$$

$$K = \frac{63}{10} \times \frac{4}{63}$$

$$L = \frac{20}{9} \times \frac{21}{10}$$

$$M = \frac{10}{63} \times \frac{63}{50}$$

$$N = \frac{2}{63} \times \frac{9}{5}$$

$$O = \frac{1}{8} \times \frac{18}{5}$$

$$P = \frac{81}{64} \times \frac{40}{81}$$

$$Q = \frac{27}{80} \times \frac{10}{21}$$

$$R = \frac{56}{9} \times \frac{15}{49}$$

$$S = \frac{16}{27} \times \frac{9}{56}$$

$$T = \frac{63}{50} \times \frac{5}{49}$$

$$U = \frac{35}{18} \times \frac{54}{35}$$

$$V = \frac{35}{48} \times \frac{72}{35}$$

$$W = \frac{7}{48} \times \frac{24}{5}$$

$$X = \frac{56}{45} \times \frac{25}{64}$$