

Correction of exercise 1

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

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

$$A = \frac{4 \times 2}{9 \times 2} - \frac{7}{18}$$

$$A = \frac{1}{18}$$

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

$$B = \frac{2 \times 7}{3 \times 7} - \frac{2}{21}$$

$$B = \frac{4 \times 3}{7 \times 3}$$

$$B = \frac{4}{7}$$

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

$$C = \frac{7 \times 5}{9 \times 5} - \frac{4}{45}$$

$$C = \frac{31}{45}$$

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

$$D = \frac{3}{14} + \frac{9 \times 2}{7 \times 2}$$

$$D = \frac{3 \times 7}{2 \times 7}$$

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

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

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

$$E = \frac{5}{4}$$

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

$$F = \frac{7 \times 8}{6 \times 8} - \frac{5}{48}$$

$$F = \frac{17 \times 3}{16 \times 3}$$

$$F = \frac{17}{16}$$

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

$$G = \frac{2}{27} + \frac{7 \times 3}{9 \times 3}$$

$$G = \frac{23}{27}$$

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

$$H = \frac{7 \times 9}{5 \times 9} + \frac{7}{45}$$

$$H = \frac{14 \times 5}{9 \times 5}$$

$$H = \frac{14}{9}$$

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

$$I = \frac{6 \times 8}{7 \times 8} + \frac{5}{56}$$

$$I = \frac{53}{56}$$

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

$$J = \frac{7 \times 10}{8 \times 10} + \frac{7}{80}$$

$$J = \frac{77}{80}$$

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

$$K = \frac{1 \times 4}{10 \times 4} + \frac{3}{40}$$

$$K = \frac{7}{40}$$

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

$$L = \frac{4 \times 2}{3 \times 2} + \frac{7}{6}$$

$$L = \frac{5 \times 3}{2 \times 3}$$

$$L = \frac{5}{2}$$

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

$$M = \frac{10 \times 9}{7 \times 9} - \frac{5}{63}$$

$$M = \frac{85}{63}$$

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

$$N = \frac{3 \times 10}{8 \times 10} - \frac{7}{80}$$

$$N = \frac{23}{80}$$

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

$$O = \frac{9 \times 3}{8 \times 3} - \frac{7}{24}$$

$$O = \frac{5 \times 4}{6 \times 4}$$

$$O = \frac{5}{6}$$

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

$$P = \frac{3}{70} + \frac{6 \times 10}{7 \times 10}$$

$$P = \frac{9 \times 7}{10 \times 7}$$

$$P = \frac{9}{10}$$

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

$$Q = \frac{9 \times 7}{10 \times 7} + \frac{9}{70}$$

$$Q = \frac{36 \times 2}{35 \times 2}$$

$$Q = \frac{36}{35}$$

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

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

$$R = \frac{26 \times 2}{7 \times 2}$$

$$R = \frac{26}{7}$$

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

$$S = \frac{5 \times 2}{8 \times 2} + \frac{3}{16}$$

$$S = \frac{13}{16}$$

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

$$T = \frac{3 \times 10}{2 \times 10} - \frac{9}{20}$$

$$T = \frac{21}{20}$$

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

$$U = \frac{3 \times 10}{8 \times 10} - \frac{3}{80}$$

$$U = \frac{27}{80}$$

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

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

$$V = \frac{27}{49}$$

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

$$W = \frac{7 \times 8}{3 \times 8} - \frac{5}{24}$$

$$W = \frac{17 \times 3}{8 \times 3}$$

$$W = \frac{17}{8}$$

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

$$X = \frac{5 \times 8}{7 \times 8} - \frac{9}{56}$$

$$X = \frac{31}{56}$$

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

$$Y = \frac{10 \times 8}{7 \times 8} - \frac{3}{56}$$

$$Y = \frac{11 \times 7}{8 \times 7}$$

$$Y = \frac{11}{8}$$

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

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

$$Z = \frac{41}{25}$$

Correction of exercise 2

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

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

$$A = \frac{9 \times 2}{8 \times 2} - \frac{5}{16}$$

$$A = \frac{13}{16}$$

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

$$B = \frac{1 \times 4}{10 \times 4} + \frac{7}{40}$$

$$B = \frac{11}{40}$$

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

$$C = \frac{9 \times 5}{7 \times 5} + \frac{8}{35}$$

$$C = \frac{53}{35}$$

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

$$D = \frac{1 \times 8}{10 \times 8} + \frac{9}{80}$$

$$D = \frac{17}{80}$$

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

$$E = \frac{7}{50} - \frac{1 \times 5}{10 \times 5}$$

$$E = \frac{1 \times 2}{25 \times 2}$$

$$E = \frac{1}{25}$$

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

$$F = \frac{7 \times 2}{3 \times 2} - \frac{5}{6}$$

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

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

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

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

$$G = \frac{11 \times 7}{9 \times 7}$$

$$G = \frac{11}{9}$$

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

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

$$H = \frac{55}{81}$$

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

$$I = \frac{5}{16} + \frac{9 \times 2}{8 \times 2}$$

$$I = \frac{23}{16}$$

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

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

$$J = \frac{2}{9}$$

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

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

$$K = \frac{43 \times 2}{18 \times 2}$$

$$K = \frac{43}{18}$$

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

$$L = \frac{5}{16} + \frac{3 \times 2}{8 \times 2}$$

$$L = \frac{11}{16}$$

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

$$M = \frac{10 \times 2}{7 \times 2} - \frac{5}{14}$$

$$M = \frac{15}{14}$$

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

$$N = \frac{4 \times 5}{7 \times 5} - \frac{3}{35}$$

$$N = \frac{17}{35}$$

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

$$O = \frac{9 \times 2}{10 \times 2} - \frac{9}{20}$$

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

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

$$P = \frac{7 \times 5}{3 \times 5} - \frac{8}{15}$$

$$P = \frac{9 \times 3}{5 \times 3}$$

$$P = \frac{9}{5}$$

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

$$Q = \frac{1 \times 7}{5 \times 7} - \frac{3}{35}$$

$$Q = \frac{4}{35}$$

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

$$R = \frac{7 \times 9}{6 \times 9} - \frac{7}{54}$$

$$R = \frac{28 \times 2}{27 \times 2}$$

$$R = \frac{28}{27}$$

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

$$S = \frac{5 \times 6}{3 \times 6} + \frac{5}{18}$$

$$S = \frac{35}{18}$$

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

$$T = \frac{3}{28} + \frac{3 \times 7}{4 \times 7}$$

$$T = \frac{6 \times 4}{7 \times 4}$$

$$T = \frac{6}{7}$$

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

$$U = \frac{8}{63} + \frac{6 \times 9}{7 \times 9}$$

$$U = \frac{62}{63}$$

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

$$V = \frac{7 \times 8}{6 \times 8} - \frac{7}{48}$$

$$V = \frac{49}{48}$$

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

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

$$W = \frac{11}{10}$$

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

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

$$X = \frac{47}{36}$$

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

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

$$Y = \frac{1}{9}$$

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

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

$$Z = \frac{10}{9}$$

Correction of exercise 3

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

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

$$A = \frac{5 \times 3}{9 \times 3} - \frac{4}{27}$$

$$A = \frac{11}{27}$$

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

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

$$B = \frac{37}{25}$$

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

$$C = \frac{5 \times 2}{4 \times 2} - \frac{7}{8}$$

$$C = \frac{3}{8}$$

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

$$D = \frac{5 \times 9}{7 \times 9} - \frac{8}{63}$$

$$D = \frac{37}{63}$$

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

$$E = \frac{1 \times 5}{7 \times 5} + \frac{9}{35}$$

$$E = \frac{2 \times 7}{5 \times 7}$$

$$E = \frac{2}{5}$$

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

$$F = \frac{9 \times 2}{7 \times 2} - \frac{9}{14}$$

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

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

$$G = \frac{4 \times 5}{9 \times 5} - \frac{2}{45}$$

$$G = \frac{2 \times 9}{5 \times 9}$$

$$G = \frac{2}{5}$$

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

$$H = \frac{9 \times 6}{2 \times 6} + \frac{7}{12}$$

$$H = \frac{61}{12}$$

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

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

$$I = \frac{41}{25}$$

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

$$J = \frac{2 \times 8}{5 \times 8} + \frac{9}{40}$$

$$J = \frac{5 \times 5}{8 \times 5}$$

$$J = \frac{5}{8}$$

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

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

$$K = \frac{13 \times 7}{9 \times 7}$$

$$K = \frac{13}{9}$$

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

$$L = \frac{7 \times 2}{8 \times 2} - \frac{9}{16}$$

$$L = \frac{5}{16}$$

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

$$M = \frac{1 \times \cancel{25}}{3 \times \cancel{7}} \times \frac{7 \times \cancel{7}}{2 \times \cancel{25}}$$

$$M = \frac{7}{6}$$

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

$$N = \frac{1 \times \cancel{5}}{7 \times \cancel{3}} \times \frac{3 \times \cancel{3}}{2 \times \cancel{5}}$$

$$N = \frac{3}{14}$$

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

$$O = \frac{1 \times 7}{3 \times 15} \times \frac{1 \times 15}{2 \times 7}$$

$$O = \frac{1}{6}$$

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

$$P = \frac{4 \times 14}{1 \times 9} \times \frac{3 \times 9}{5 \times 14}$$

$$P = \frac{12}{5}$$

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

$$Q = \frac{1 \times 8}{3 \times 5} \times \frac{1 \times 5}{9 \times 8}$$

$$Q = \frac{1}{27}$$

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

$$R = \frac{1 \times 15}{7 \times 8} \times \frac{8 \times 8}{1 \times 15}$$

$$R = \frac{8}{7}$$

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

$$S = \frac{7 \times 8}{5 \times 5} \times \frac{1 \times 5}{4 \times 8}$$

$$S = \frac{7}{20}$$

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

$$T = \frac{1 \times 9}{7 \times 7} \times \frac{8 \times 7}{9 \times 9}$$

$$T = \frac{8}{63}$$

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

$$U = \frac{1 \times 49}{5 \times 20} \times \frac{1 \times 20}{1 \times 49}$$

$$U = \frac{1}{5}$$

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

$$V = \frac{1}{2 \times 12} \times \frac{3 \times 12}{7}$$

$$V = \frac{3}{14}$$

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

$$W = \frac{1 \times 27}{4 \times 10} \times \frac{7 \times 10}{3 \times 27}$$

$$W = \frac{7}{12}$$

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

$$X = \frac{1 \times 8}{9 \times 9} \times \frac{7 \times 9}{5 \times 8}$$

$$X = \frac{7}{45}$$

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

$$Y = \frac{1 \times 2}{1 \times 63} \times \frac{1 \times 63}{8 \times 2}$$

$$Y = \frac{1}{8}$$

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

$$Z = \frac{3 \times 9}{10 \times 4} \times \frac{1 \times 4}{1 \times 9}$$

$$Z = \frac{3}{10}$$

Correction of exercise 4

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

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

$$A = \frac{1 \times 40}{1 \times 27} \times \frac{1 \times 27}{2 \times 40}$$

$$A = \frac{1}{2}$$

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

$$B = \frac{5 \times 20}{7 \times 3} \times \frac{9 \times 3}{4 \times 20}$$

$$B = \frac{45}{28}$$

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

$$C = \frac{7}{1 \times 20} \times \frac{2 \times 20}{3}$$

$$C = \frac{14}{3}$$

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

$$D = \frac{8 \times 2}{5 \times 5} \times \frac{7 \times 5}{9 \times 2}$$

$$D = \frac{56}{45}$$

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

$$E = \frac{8}{3 \times 7} \times \frac{4 \times 7}{3}$$

$$E = \frac{32}{9}$$

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

$$F = \frac{1 \times 3}{8 \times 2} \times \frac{1 \times 2}{1 \times 3}$$

$$F = \frac{1}{8}$$

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

$$G = \frac{1 \times 4}{9 \times 7} \times \frac{7 \times 7}{6 \times 4}$$

$$G = \frac{7}{54}$$

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

$$H = \frac{8 \times 8}{3 \times 5} \times \frac{7 \times 5}{3 \times 8}$$

$$H = \frac{56}{9}$$

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

$$I = \frac{5}{3 \times 8} \times \frac{1 \times 8}{9}$$

$$I = \frac{5}{27}$$

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

$$J = \frac{5 \times 5}{1 \times 6} \times \frac{2 \times 6}{7 \times 5}$$

$$J = \frac{10}{7}$$

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

$$K = \frac{1 \times 45}{1 \times 8} \times \frac{2 \times 8}{1 \times 45}$$

$$K = 2$$

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

$$L = \frac{1 \times \cancel{27}}{1 \times \cancel{80}} \times \frac{1 \times \cancel{80}}{1 \times \cancel{27}}$$

$$L = 1$$

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

$$M = \frac{4 \times \cancel{8}}{5 \times \cancel{7}} \times \frac{9 \times \cancel{7}}{5 \times \cancel{8}}$$

$$M = \frac{36}{25}$$

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

$$N = \frac{1}{5 \times \cancel{4}} \times \frac{3 \times \cancel{4}}{7}$$

$$N = \frac{3}{35}$$

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

$$O = \frac{1 \times \cancel{27}}{4 \times \cancel{14}} \times \frac{5 \times \cancel{14}}{1 \times \cancel{27}}$$

$$O = \frac{5}{4}$$

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

$$P = \frac{7}{4 \times \cancel{2}} \times \frac{1 \times \cancel{2}}{5}$$

$$P = \frac{7}{20}$$

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

$$Q = \frac{7 \times \cancel{5}}{1 \times \cancel{12}} \times \frac{3 \times \cancel{12}}{5 \times \cancel{5}}$$

$$Q = \frac{21}{5}$$

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

$$R = \frac{1 \times \cancel{5}}{8 \times \cancel{6}} \times \frac{7 \times \cancel{6}}{1 \times \cancel{5}}$$

$$R = \frac{7}{8}$$

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

$$S = \frac{4 \times \cancel{20}}{3 \times \cancel{21}} \times \frac{1 \times \cancel{21}}{5 \times \cancel{20}}$$

$$S = \frac{4}{15}$$

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

$$T = \frac{5 \times \cancel{10}}{3 \times \cancel{9}} \times \frac{1 \times \cancel{9}}{1 \times \cancel{10}}$$

$$T = \frac{5}{3}$$

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

$$U = \frac{1 \times \cancel{18}}{5 \times \cancel{5}} \times \frac{1 \times \cancel{5}}{1 \times \cancel{18}}$$

$$U = \frac{1}{5}$$

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

$$V = \frac{5}{6 \times \cancel{9}} \times \frac{5 \times \cancel{9}}{8}$$

$$V = \frac{25}{48}$$

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

$$W = \frac{1 \times \cancel{7}}{5 \times \cancel{6}} \times \frac{8 \times \cancel{6}}{7 \times \cancel{7}}$$

$$W = \frac{8}{35}$$

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

$$X = \frac{1 \times \cancel{2}}{7 \times \cancel{5}} \times \frac{5 \times \cancel{5}}{7 \times \cancel{2}}$$

$$X = \frac{5}{49}$$

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

$$Y = \frac{1 \times \cancel{35}}{1 \times \cancel{48}} \times \frac{1 \times \cancel{48}}{1 \times \cancel{35}}$$

$$Y = 1$$

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

$$Z = \frac{5 \times \cancel{5}}{9 \times \cancel{7}} \times \frac{8 \times \cancel{7}}{3 \times \cancel{5}}$$

$$Z = \frac{40}{27}$$

Correction of exercise 5

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

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

$$A = \frac{1 \times \cancel{27}}{5 \times \cancel{10}} \times \frac{1 \times \cancel{10}}{1 \times \cancel{27}}$$

$$A = \frac{1}{5}$$

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

$$B = \frac{7 \times \cancel{9}}{2 \times \cancel{4}} \times \frac{5 \times \cancel{4}}{9 \times \cancel{9}}$$

$$B = \frac{35}{18}$$

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

$$C = \frac{2 \times \cancel{7}}{1 \times \cancel{25}} \times \frac{1 \times \cancel{25}}{7 \times \cancel{7}}$$

$$C = \frac{2}{7}$$

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

$$D = \frac{1 \times \cancel{4}}{5 \times \cancel{3}} \times \frac{1 \times \cancel{3}}{2 \times \cancel{4}}$$

$$D = \frac{1}{10}$$

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

$$E = \frac{1}{4 \times \cancel{10}} \times \frac{3 \times \cancel{10}}{7}$$

$$E = \frac{3}{28}$$

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

$$F = \frac{3}{1 \times \cancel{20}} \times \frac{1 \times \cancel{20}}{7}$$

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

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

$$G = \frac{1 \times \cancel{7}}{3 \times \cancel{4}} \times \frac{1 \times \cancel{4}}{9 \times \cancel{7}}$$

$$G = \frac{1}{27}$$

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

$$H = \frac{7}{6 \times \cancel{3}} \times \frac{5 \times \cancel{3}}{4}$$

$$H = \frac{35}{24}$$

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

$$I = \frac{1 \times \cancel{49}}{5 \times \cancel{2}} \times \frac{1 \times \cancel{2}}{1 \times \cancel{49}}$$

$$I = \frac{1}{5}$$

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

$$J = \frac{1 \times \cancel{8}}{1 \times \cancel{45}} \times \frac{1 \times \cancel{45}}{2 \times \cancel{8}}$$

$$J = \frac{1}{2}$$

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

$$K = \frac{1 \times \cancel{63}}{5 \times \cancel{2}} \times \frac{2 \times \cancel{2}}{1 \times \cancel{63}}$$

$$K = \frac{2}{5}$$

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

$$L = \frac{2 \times \cancel{10}}{3 \times \cancel{3}} \times \frac{7 \times \cancel{3}}{1 \times \cancel{10}}$$

$$L = \frac{14}{3}$$

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

$$M = \frac{1 \times \cancel{10}}{1 \times \cancel{63}} \times \frac{1 \times \cancel{63}}{5 \times \cancel{10}}$$

$$M = \frac{1}{5}$$

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

$$N = \frac{2}{7 \times \cancel{9}} \times \frac{1 \times \cancel{9}}{5}$$

$$N = \frac{2}{35}$$

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

$$O = \frac{1}{4 \times \cancel{2}} \times \frac{9 \times \cancel{2}}{5}$$

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

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

$$P = \frac{1 \times \cancel{81}}{8 \times \cancel{8}} \times \frac{5 \times \cancel{8}}{1 \times \cancel{81}}$$

$$P = \frac{5}{8}$$

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

$$Q = \frac{9 \times \cancel{3}}{8 \times \cancel{10}} \times \frac{1 \times \cancel{10}}{7 \times \cancel{3}}$$

$$Q = \frac{9}{56}$$

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

$$R = \frac{8 \times \cancel{7}}{3 \times \cancel{3}} \times \frac{5 \times \cancel{3}}{7 \times \cancel{7}}$$

$$R = \frac{40}{21}$$

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

$$S = \frac{2 \times \cancel{8}}{3 \times \cancel{9}} \times \frac{1 \times \cancel{9}}{7 \times \cancel{8}}$$

$$S = \frac{2}{21}$$

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

$$T = \frac{9 \times \cancel{7}}{10 \times \cancel{5}} \times \frac{1 \times \cancel{5}}{7 \times \cancel{7}}$$

$$T = \frac{9}{70}$$

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

$$U = \frac{1 \times \cancel{35}}{1 \times \cancel{18}} \times \frac{3 \times \cancel{18}}{1 \times \cancel{35}}$$

$$U = 3$$

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

$$V = \frac{1 \times \cancel{35}}{2 \times \cancel{24}} \times \frac{3 \times \cancel{24}}{1 \times \cancel{35}}$$

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

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

$$W = \frac{7}{2 \times \cancel{24}} \times \frac{1 \times \cancel{24}}{5}$$

$$W = \frac{7}{10}$$

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

$$X = \frac{7 \times \cancel{8}}{9 \times \cancel{5}} \times \frac{5 \times \cancel{5}}{8 \times \cancel{8}}$$

$$X = \frac{35}{72}$$