

Fractions 1 : Answers

$$\begin{aligned} 1) \quad a) \quad & \frac{7}{20} + \frac{4}{20} \\ & = \frac{11}{20} \end{aligned}$$

$$\begin{aligned} b) \quad & \frac{9}{11} - \frac{2}{11} \\ & = \frac{7}{11} \end{aligned}$$

$$\begin{aligned} c) \quad & \frac{3}{5} + \frac{3}{10} \\ & = \frac{6}{10} + \frac{3}{10} \\ & = \frac{9}{10} \end{aligned}$$

$$\begin{aligned} d) \quad & \frac{7}{8} - \frac{1}{4} \\ & = \frac{7}{8} - \frac{2}{8} \\ & = \frac{5}{8} \end{aligned}$$

$$\begin{aligned} e) \quad & \frac{1}{3} + \frac{1}{4} \\ & = \frac{4}{12} + \frac{3}{12} \\ & = \frac{7}{12} \end{aligned}$$

$$\begin{aligned} f) \quad & \frac{1}{6} - \frac{1}{7} \\ & = \frac{7}{42} - \frac{6}{42} \\ & = \frac{1}{42} \end{aligned}$$

$$\begin{aligned} 2) \quad a) \quad & \frac{1}{2} \times \frac{1}{3} \\ & = \frac{1 \times 1}{2 \times 3} \\ & = \frac{1}{6} \end{aligned}$$

$$\begin{aligned} b) \quad & \frac{2}{5} \times \frac{1}{3} \\ & = \frac{2 \times 1}{5 \times 3} \\ & = \frac{2}{15} \end{aligned}$$

$$\begin{aligned} c) \quad & \frac{3}{8} \times \frac{3}{7} \\ & = \frac{3 \times 3}{8 \times 7} \\ & = \frac{9}{56} \end{aligned}$$

$$\begin{aligned} d) \quad & \frac{20}{30} \times \frac{20}{50} \\ & = \frac{20 \times 20}{30 \times 50} \\ & = \frac{400}{1500} \\ & = \frac{4}{15} \end{aligned}$$

$$3) \quad a) \quad \frac{1}{2} \text{ of } \frac{3}{4}$$

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

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

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

$$b) \quad \frac{2}{3} \text{ of } \frac{5}{7}$$

$$= \frac{2}{3} \times \frac{5}{7}$$

$$= \frac{2 \times 5}{3 \times 7}$$

$$= \frac{10}{21}$$

$$4) \quad \frac{3}{8}, \frac{5}{6}, \frac{1}{2}, \frac{7}{12}, \frac{1}{4}, \frac{2}{3}$$

$$\begin{array}{cccccc} \times 3 \downarrow & \times 4 \downarrow & \times 12 \downarrow & \times 2 \downarrow & \times 6 \downarrow & \times 8 \downarrow \\ \frac{9}{24} & \frac{20}{24} & \frac{12}{24} & \frac{14}{24} & \frac{6}{24} & \frac{16}{24} \end{array}$$

Ascending order is smallest to biggest

$$\frac{1}{4}, \frac{3}{8}, \frac{1}{2}, \frac{7}{12}, \frac{2}{3}, \frac{5}{6}$$

$$5) \quad \frac{1}{2}, \frac{11}{20}, \frac{3}{5}, \frac{4}{10}, \frac{1}{4}$$

$$\begin{array}{ccccc} \times 2 \downarrow & \downarrow & \times 4 \downarrow & \times 2 \downarrow & \downarrow \times 5 \\ \frac{10}{20} & \frac{11}{20} & \frac{12}{20} & \frac{8}{20} & \frac{5}{20} \end{array}$$

Descending order is biggest to smallest

$$\frac{3}{5}, \frac{11}{20}, \frac{1}{2}, \frac{4}{10}, \frac{1}{4}$$