Multiplying and Dividing Fractions

Simplify your answers where possible.

(a) $\frac{1}{5} \times 2$ (b) $\frac{2}{11} \times 4$

(c) $4 \times \frac{3}{15}$ (d) $3 \times \frac{5}{18}$

(a) $\frac{1}{3} \times \frac{1}{4}$ (b) $\frac{1}{3} \times \frac{2}{7}$

(c) $\frac{1}{2} \times \frac{2}{9}$ (d) $\frac{3}{4} \times \frac{2}{5}$

(e) $\frac{2}{3} \times \frac{5}{9}$ (f) $\frac{5}{6} \times \frac{3}{4}$

(a) $\frac{3}{5} \div 2$ (b) $\frac{2}{3} \div 4$

(c) $4 \div \frac{1}{2}$ (d) $3 \div \frac{3}{8}$

(a) $\frac{2}{3} \div \frac{1}{3}$ (b) $\frac{8}{9} \div \frac{2}{9}$

(c) $\frac{1}{2} \div \frac{6}{7}$ (d) $\frac{3}{4} \div \frac{8}{9}$

(e) $\frac{1}{3} \div \frac{2}{5}$ (f) $\frac{5}{6} \div \frac{1}{4}$

(a) $\frac{7}{8} \times \frac{2}{5} \times \frac{1}{3}$ (b) $\frac{3}{8} \times \frac{1}{5} \times \frac{5}{6}$

(c) $\frac{7}{9} \times \frac{1}{2} \div \frac{2}{11}$ (d) $\frac{43}{50} \times \frac{1}{5} \div \frac{7}{20}$

(a) A rectangle has an area of $\frac{3}{8}$ cm². If the width is $\frac{1}{2}$ cm, calculate the length.

(b) A box is $\frac{1}{6}$ cm long, $\frac{2}{3}$ cm wide, and $\frac{7}{9}$ cm high. Calculate the volume of the box.