

Workout

Question 1: Work out each of the following multiplications.
Give each answer in its simplest form.

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

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

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

(d) $\frac{1}{3} \times \frac{1}{3}$

(e) $\frac{5}{6} \times \frac{1}{2}$

(f) $\frac{3}{4} \times \frac{1}{4}$

(g) $\frac{2}{3} \times \frac{1}{7}$

(h) $\frac{5}{8} \times \frac{1}{3}$

(i) $\frac{2}{3} \times \frac{1}{2}$

(j) $\frac{1}{3} \times \frac{3}{4}$

(k) $\frac{3}{10} \times \frac{1}{2}$

(l) $\frac{2}{5} \times \frac{1}{4}$

(m) $\frac{2}{7} \times \frac{3}{4}$

(n) $\frac{5}{7} \times \frac{1}{10}$

(o) $\frac{7}{12} \times \frac{2}{3}$

(p) $\frac{6}{7} \times \frac{2}{3}$

(q) $\frac{6}{7} \times \frac{2}{9}$

(r) $\frac{3}{10} \times \frac{5}{6}$

(s) $\frac{6}{15} \times \frac{3}{4}$

(t) $\frac{3}{5} \times \frac{11}{15}$

(u) $\frac{9}{20} \times \frac{10}{11}$

(v) $\frac{21}{30} \times \frac{2}{3}$

(w) $\frac{12}{25} \times \frac{5}{8}$

(x) $\frac{8}{9} \times \frac{3}{16}$

Question 2: Work out the following multiplications
Give your answers as simplified fractions.
If any answers are top heavy fractions, write as mixed numbers.

(a) $\frac{1}{5} \times 3$

(b) $7 \times \frac{1}{8}$

(c) $\frac{1}{10} \times 4$

(d) $30 \times \frac{1}{2}$

(e) $8 \times \frac{3}{4}$

(f) $\frac{2}{3} \times 12$

(g) $5 \times \frac{1}{3}$

(h) $8 \times \frac{2}{5}$

(i) $\frac{4}{5} \times 20$

(j) $\frac{2}{7} \times 8$

(k) $8 \times \frac{5}{4}$

(l) $\frac{1}{5} \times 360$

Question 3: Work out the following divisions.
Give your answers as simplified fractions.
If any answers are top heavy fractions, write as mixed numbers.

(a) $1\frac{2}{3} \times \frac{1}{4}$ (b) $\frac{2}{5} \times 1\frac{1}{4}$ (c) $\frac{3}{4} \times 1\frac{1}{2}$ (d) $2\frac{1}{2} \times \frac{7}{10}$

(e) $\frac{1}{4} \times 3\frac{1}{3}$ (f) $1\frac{2}{3} \times 1\frac{1}{4}$ (g) $4\frac{3}{5} \times 1\frac{2}{3}$ (h) $1\frac{2}{11} \times \frac{8}{9}$

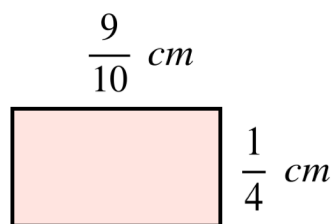
(i) $2\frac{5}{6} \times 2\frac{1}{5}$ (j) $1\frac{1}{9} \times 3\frac{3}{10}$ (k) $3\frac{1}{8} \times 2\frac{1}{2}$ (l) $2\frac{6}{7} \times 3\frac{1}{5}$

Apply

Question 1: Work out $\frac{4}{5} \times 1\frac{1}{2} \times \frac{7}{8}$

Question 2: Work out the missing number $\square \div \frac{7}{15} = \frac{2}{3}$

Question 3: Find the area of this rectangle.
Include suitable units.



Question 4: Alexis has a pet dog, Maxi.

Each day, Maxi eats $\frac{2}{3}$ of a can of dog food.

Alexis is buying dog food for one week.

How many cans of dog food should Alexis buy?



Multiplying Fractions

Video 142 on www.corbettmaths.com

Question 5: Kelly spends $\frac{1}{4}$ of her savings on driving lessons.
 Kelly then spends $\frac{2}{3}$ of her remaining savings on a new car.
 What fraction of her savings has Kelly spent?

Question 6: Work out

$$\frac{9}{10} + \left(\frac{5}{7}\right)^2$$

Question 7: A wall measures $3\frac{3}{4}m$ by $4\frac{1}{3}m$

Each can of paint cover $2.5m^2$ and costs £5.50



Work out the cost of painting the wall.

Question 8: Callum has completed his maths homework.
 Can you spot any mistakes?

Work out

$$\frac{1}{3} \times \frac{1}{6}$$

$$\frac{2}{18} = \frac{1}{9}$$

Work out

$$1\frac{3}{10} \times 2\frac{1}{2}$$

$$\frac{13}{10} \times \frac{5}{2} = \frac{75}{20}$$

$$60\frac{15}{20}$$

$$60\frac{3}{4}$$