

Examples

Workout



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Question 1: Work out the following divisions.
Give your answers as simplified fractions.
If any answers are top heavy fractions, write as mixed numbers.

(a) $\frac{1}{5} \div \frac{2}{3}$ (b) $\frac{3}{4} \div \frac{4}{5}$ (c) $\frac{1}{2} \div \frac{7}{8}$ (d) $\frac{2}{3} \div \frac{5}{6}$

(e) $\frac{1}{10} \div \frac{4}{9}$ (f) $\frac{6}{11} \div \frac{5}{6}$ (g) $\frac{2}{5} \div \frac{13}{15}$ (h) $\frac{3}{8} \div \frac{7}{9}$

(i) $\frac{3}{5} \div \frac{1}{2}$ (j) $\frac{7}{9} \div \frac{2}{3}$ (k) $\frac{8}{15} \div \frac{7}{10}$ (l) $\frac{9}{10} \div \frac{1}{3}$

(m) $\frac{5}{6} \div \frac{3}{4}$ (n) $\frac{13}{20} \div \frac{8}{11}$ (o) $\frac{4}{17} \div \frac{3}{16}$ (p) $\frac{5}{7} \div \frac{10}{19}$

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

(a) $\frac{3}{4} \div 2$ (b) $\frac{4}{7} \div 8$ (c) $\frac{11}{20} \div 3$ (d) $\frac{9}{40} \div 5$

(e) $4 \div \frac{2}{3}$ (f) $2 \div \frac{3}{4}$ (g) $12 \div \frac{2}{3}$ (h) $5 \div \frac{2}{9}$

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) $\frac{2}{3} \div 1\frac{4}{5}$ (b) $1\frac{1}{2} \div 1\frac{9}{10}$ (c) $2\frac{3}{7} \div \frac{1}{2}$ (d) $2\frac{1}{3} \div 5\frac{1}{2}$

(e) $3 \div 2 \frac{1}{8}$ (f) $4 \frac{1}{3} \div 2 \frac{9}{10}$ (g) $6 \frac{5}{6} \div 2$ (h) $1 \frac{5}{12} \div 2 \frac{2}{11}$

Apply

Question 1: Work out the missing number

$$\frac{9}{11} \times \boxed{} = \frac{3}{4}$$

Question 2: Work out

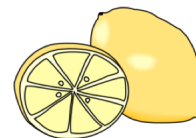
(a) $\frac{4}{5} \div \frac{3}{10} \div \frac{1}{8}$ (b) $\frac{7}{9} + \frac{1}{2} \div \frac{3}{5}$

Question 3: James shares $\frac{5}{8}$ of a cake between 6 people.
What fraction of the cake do they each receive?



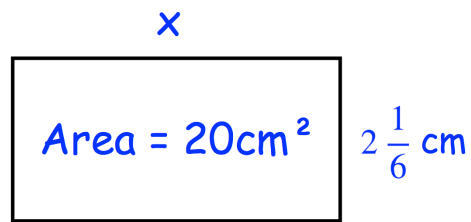
Question 4: John has 12 cans of dog food.
He has two dogs and he gives each dog $\frac{2}{3}$ of a can of dog food each day.
Does he have enough dog food to last one week?

Question 5: Alisha has $\frac{7}{8}$ litres of lemonade.
She is pouring glasses that each contain $\frac{1}{5}$ litres.
How many full glasses can she pour?



Question 6: Helen is cutting lengths of string from a roll that is $9 \frac{1}{3}$ metres long.
Each length of string is $\frac{1}{9}$ metres long.
How many lengths of string can Helen cut from the roll?

Question 7: Shown is a rectangle.
Find the value of x



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

Work out

$$\frac{2}{3} \div \frac{8}{11}$$

Give your answer as a fraction in its simplest form.

$$\begin{aligned} \frac{2}{3} \times \frac{8}{11} \\ = \frac{16}{33} \end{aligned}$$

Work out

$$1\frac{4}{7} \div 1\frac{1}{4}$$

Give your answer as a mixed number.

$$\begin{aligned} \frac{11}{7} \div \frac{5}{4} \\ = \frac{11}{7} \times \frac{4}{5} = \frac{44}{35} \end{aligned}$$

Answers



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