Dividing fractions

1

Work out $3 \div \frac{1}{3}$.



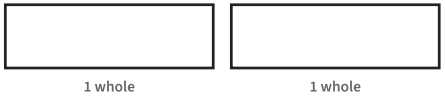
☐ thirds fit into 3

$3 \div \frac{1}{3} = 3 \times$ ☐ $=$ ☐

Answer _____

2

Work out $2 \div \frac{1}{4}$. Cut each bar into quarters first.



☐ quarters fit into 2

$2 \div \frac{1}{4} = 2 \times$ ☐ $=$ ☐

Answer _____

3

Work out $\frac{1}{2} \div \frac{3}{5}$.

Keep, change, flip: $\frac{1}{2} \times \frac{\square}{\square}$

$= \frac{\square}{\square}$

Answer _____

4

Work out $\frac{4}{9} \div \frac{2}{3}$. Give your answer in its simplest form.

Keep, change, flip: $\frac{\square}{\square} \times \frac{\square}{\square}$

$= \frac{\square}{\square}$

Simplest form: $\frac{\square}{\square}$

Answer _____

5

Work out each. Give your answers in their simplest form.

(a) $6 \div \frac{3}{4}$ (b) $\frac{2}{5} \div 4$

(a) _____

(b) _____

6

Ben works out $\frac{3}{5} \div \frac{2}{3}$.

He writes $\frac{5}{3} \times \frac{2}{3} = \frac{10}{9}$.

Explain his mistake. Then work out the right answer.

Answer _____

7

Mo has 6 pizzas. Each person eats $\frac{3}{8}$ of a pizza. How many people can Mo feed?

Answer _____

8

Work out $3\frac{1}{3} \div 1\frac{1}{9}$.

Answer _____

Dividing fractions *further practice*

9

Work out $\frac{7}{10} \div \frac{1}{5}$. Give your answer as a mixed number.

Answer _____

10

Work out $\frac{5}{6} \div 5$. Give your answer in its simplest form.

Answer _____

11

Write down the reciprocal of each number.

(a) $\frac{3}{7}$ (b) 5 (c) $\frac{1}{9}$

(a) _____

(b) _____

(c) _____

12

A $2\frac{1}{2}$ hour revision session is split into slots of $\frac{1}{6}$ of an hour. How many slots are there?

Answer _____

13

Find the missing number.

$\square \div \frac{1}{4} = 10$

Answer _____

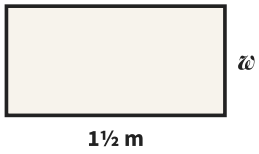
14

Amir says $\frac{2}{9} \div \frac{4}{9} = 2$. Is he right?
Explain how you know.

Answer _____

15

This rectangle has an area of $\frac{3}{4}$ m².
One side is $1\frac{1}{2}$ m long. Find the length of the other side, w.



Answer _____

16

A baker has 5 kg of flour.
Each loaf needs $\frac{3}{8}$ kg.
How many whole loaves can she make?
How much flour is left over?

loaves _____

left _____