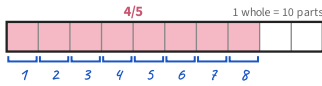


Dividing Fractions

ANSWERS

1

Work out $\frac{4}{5} \div \frac{1}{10}$.



Parts in $\frac{4}{5}$: 8

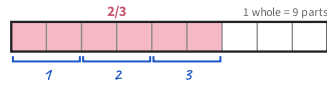
Parts in $\frac{1}{10}$: 1

How many fit: 8 $\div$ 1 = 8

Answer 8

2

Work out $\frac{2}{3} \div \frac{2}{9}$.



Parts in $\frac{2}{3}$: 6

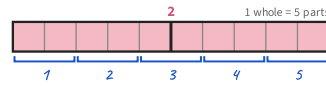
Parts in $\frac{2}{9}$: 2

How many fit: 6 $\div$ 2 = 3

Answer 3

3

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



Parts in 2: 10

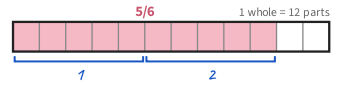
Parts in $\frac{2}{5}$: 2

How many fit: 10 $\div$ 2 = 5

Answer 5

4

Work out $\frac{5}{6} \div \frac{5}{12}$.



Parts in $\frac{5}{6}$: 10

Parts in $\frac{5}{12}$: 5

How many fit: 10 $\div$ 5 = 2

Answer 2

5

Work out $\frac{2}{3} \div \frac{8}{9}$. Give your answer in its simplest form.

Keep, change, flip: $\frac{2}{3} \times \frac{9}{8}$

= $\frac{18}{24}$

Simplest form: $\frac{3}{4}$

Answer 3/4

6

Work out $\frac{3}{5} \div \frac{9}{10}$. Give your answer in its simplest form.

Keep, change, flip: $\frac{3}{5} \times \frac{10}{9}$

= $\frac{30}{45}$

Simplest form: $\frac{2}{3}$

Answer 2/3

7

How many pieces $\frac{1}{4}$ m long can be cut from a 3 m rope?

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

Answer 12

8

A bottle holds $\frac{3}{4}$ litre. A glass holds $\frac{1}{8}$ litre. How many glasses can be filled from the bottle?

$$\frac{3}{4} \div \frac{1}{8} = \frac{3}{4} \times 8$$

Answer 6

Dividing Fractions *further practice*

ANSWERS

9

Work out $\frac{4}{5} \div \frac{2}{15}$.

$$\frac{4}{5} \times \frac{15}{2} = \frac{60}{10}$$

Answer 6

10

Work out $\frac{3}{8} \div \frac{3}{4}$. Give your answer in its simplest form.

$$\frac{3}{8} \times \frac{4}{3} = \frac{12}{24}$$

Answer 1/2

11

Work out $\frac{4}{5} \div 2$. Give your answer in its simplest form.

$$2 = \frac{2}{1}, \text{ so } \frac{4}{5} \times \frac{1}{2} = \frac{4}{10}$$

Answer 2/5

12

Find the missing fraction.

$$\frac{3}{4} \div \frac{1}{4} = 3$$

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

13

A full tub holds $\frac{3}{4}$ kg of bird seed. Leo puts $\frac{1}{16}$ kg of seed in the bird feeder each day. How many days does a full tub last?

$$\frac{3}{4} \div \frac{1}{16} = \frac{3}{4} \times 16$$

Answer 12 days

14

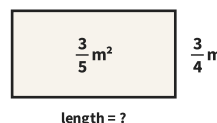
Jug A has $\frac{3}{4}$ litre of juice in it. Jug B has $\frac{2}{3}$ litre of juice in it. The juice in jug A fills glasses that hold $\frac{1}{8}$ litre each. The juice in jug B fills glasses that hold $\frac{1}{12}$ litre each. Which jug fills more glasses?

$$A: \frac{3}{4} \div \frac{1}{8} = 6, B: \frac{2}{3} \div \frac{1}{12} = 8$$

Answer Jug B

15

The area of this rectangle is $\frac{3}{5}$ m². Its width is $\frac{3}{4}$ m. Work out its length.



$$\frac{3}{5} \div \frac{3}{4} = \frac{3}{5} \times \frac{4}{3} = \frac{12}{15}$$

Answer 4/5 m

16

Zoe works out $\frac{2}{3} \div \frac{4}{5}$ and writes $\frac{3}{2} \times \frac{4}{5} = \frac{6}{5}$. What has she done wrong? Find the right answer.

she flipped the first fraction

Answer $\frac{2}{3} \times \frac{5}{4} = \frac{5}{6}$