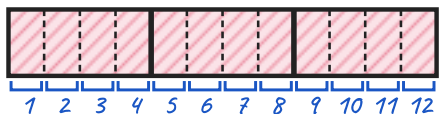


# Dividing Fractions

ANSWERS

1

Work out  $3 \div \frac{1}{4}$ .



1 whole = 4 parts

Parts in 3: 12

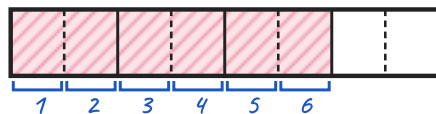
Parts in  $\frac{1}{4}$ : 1

How many fit:

$$12 \div 1 = 12$$

2

Work out  $\frac{3}{4} \div \frac{1}{8}$ .



1 whole = 8 parts

Parts in  $\frac{3}{4}$ : 6

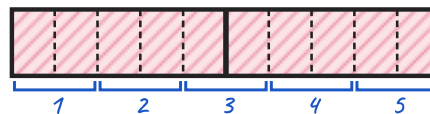
Parts in  $\frac{1}{8}$ : 1

How many fit:

$$6 \div 1 = 6$$

3

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



1 whole = 5 parts

Parts in 2: 10

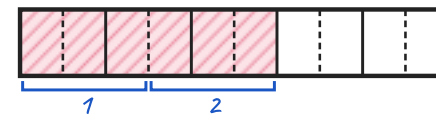
Parts in  $\frac{2}{5}$ : 2

How many fit:

$$10 \div 2 = 5$$

4

Work out  $\frac{3}{5} \div \frac{3}{10}$ .



1 whole = 10 parts

Parts in  $\frac{3}{5}$ : 6

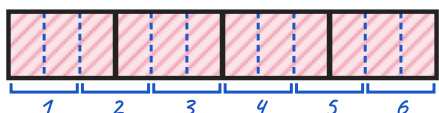
Parts in  $\frac{3}{10}$ : 3

How many fit:

$$6 \div 3 = 2$$

5

Work out  $4 \div \frac{2}{3}$ .



1 whole = 3 parts

Parts in 4: 12

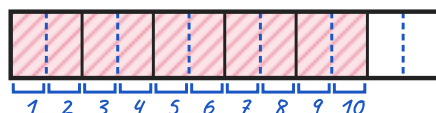
Parts in  $\frac{2}{3}$ : 2

How many fit:

$$12 \div 2 = 6$$

6

Work out  $\frac{5}{6} \div \frac{1}{12}$ .



1 whole = 12 parts

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

Parts in  $\frac{1}{12}$ : 1

How many fit:

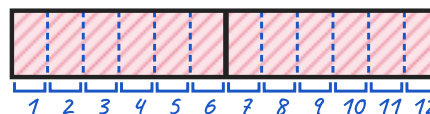
$$10 \div 1 = 10$$

7

Mo cuts 2 pizzas into slices.

Each slice is  $\frac{1}{6}$  of a pizza.

How many slices are there?



1 whole = 6 parts

Parts in 2: 12

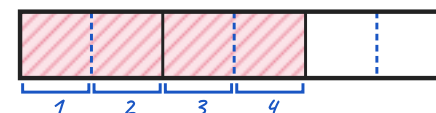
Parts in  $\frac{1}{6}$ : 1

How many fit:

$$12 \div 1 = 12$$

8

How many  $\frac{1}{6}$  fit into  $\frac{2}{3}$ ?



1 whole = 6 parts

Parts in  $\frac{2}{3}$ : 4

Parts in  $\frac{1}{6}$ : 1

How many fit:

$$4 \div 1 = 4$$

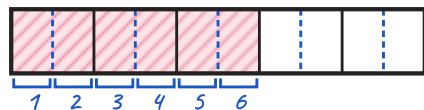
# Dividing Fractions *further practice*

ANSWERS

9



Work out  $\frac{3}{5} \div \frac{1}{10}$ .



1 whole = 10 parts

Parts in  $\frac{3}{5}$ : 6

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

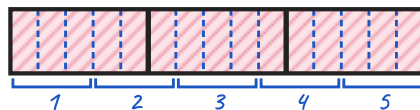
How many fit:

$$6 \div 1 = 6$$

10



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



1 whole = 5 parts

Parts in 3: 15

Parts in  $\frac{3}{5}$ : 3

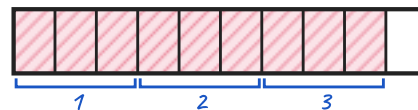
How many fit:

$$15 \div 3 = 5$$

11



Work out  $\frac{9}{10} \div \frac{3}{10}$ .



1 whole = 10 parts

Parts in  $\frac{9}{10}$ : 9

Parts in  $\frac{3}{10}$ : 3

How many fit:

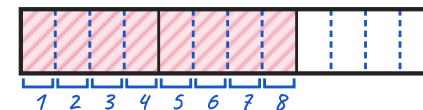
$$9 \div 3 = 3$$

12



A game takes  $\frac{1}{12}$  of an hour.

How many games fit into  $\frac{2}{3}$  of an hour?



1 whole = 12 parts

Parts in  $\frac{2}{3}$ : 8

Parts in  $\frac{1}{12}$ : 1

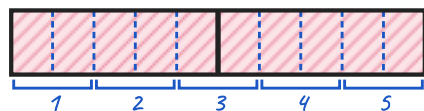
How many fit:

$$8 \div 1 = 8$$

13



A ribbon is 2 m long. Ali cuts it into pieces. Each piece is  $\frac{2}{5}$  of a metre. How many pieces does he get?



1 whole = 5 parts. Parts in 2: 10

Parts in  $\frac{2}{5}$ : 2.  $10 \div 2 = 5$

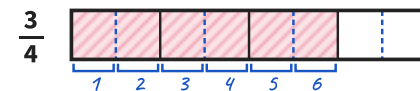
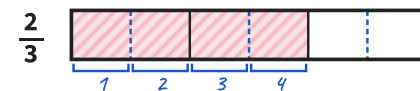
Answer 5 pieces

14



Which is bigger,  $\frac{2}{3} \div \frac{1}{6}$  or

$\frac{3}{4} \div \frac{1}{8}$ ?



$\frac{2}{3} \div \frac{1}{6} = 4$

$\frac{3}{4} \div \frac{1}{8} = 6$

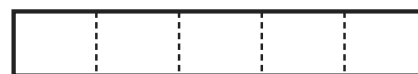
Answer  $\frac{3}{4} \div \frac{1}{8}$

15



Find the missing number.

$$3 \div \frac{1}{5} = 15$$



1 whole

15 parts. 5 parts in 1 whole

$15 \div 5 = 3$  wholes

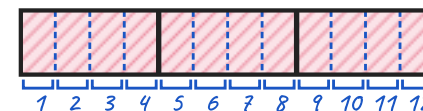
Answer 3

16



Tom works out  $3 \div \frac{1}{4}$ .

He writes  $\frac{3}{4}$ . What has he done wrong?



$3 \div 4$

Tom has worked out

Right answer 12