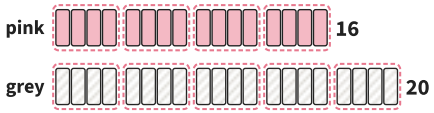
Simplifying ratios

1

Write the ratio **16 : 20** in its simplest form.



HCF of 16 and 20 is 4

16 : 20

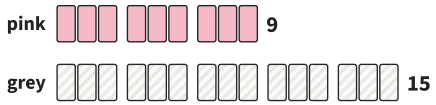
÷4 ÷4

:

Answer _____

2

Write the ratio **9 : 15** in its simplest form.



HCF of 9 and 15 is ☐

9 : 15

÷☐ ÷☐

:

Answer _____

3

Write the ratio **24 : 32** in its simplest form.

HCF of 24 and 32 is ☐

24 : 32

÷☐ ÷☐

:

Answer _____

4

Write the ratio **36 : 90** in its simplest form.

36 : 90

÷☐ ÷☐

:

Answer _____

5

Write the ratio **12 : 30 : 18** in its simplest form.

HCF of 12 and 30 and 18 is ☐

12 : 30 : 18

÷☐ ÷☐ ÷☐

: :

Answer _____

6

A bakery sells 42 brownies and 28 flapjacks. Write the ratio of flapjacks to brownies in its simplest form.

_____

Answer _____

7

Write the ratio **2 kg : 250 g** in its simplest form.

_____

Answer _____

8

Write the ratio **5 : 12** in the form **1 : n**.

_____

Answer _____

Simplifying ratios *further practice*

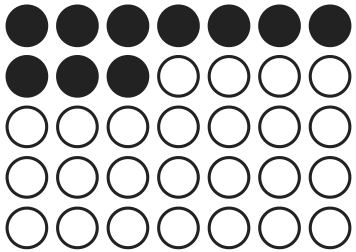
9

Write the ratio **56 : 72** in its simplest form.

Answer _____

10

Write the ratio of white counters to black counters in its simplest form.



Answer _____

11

A tray of herbs has 24 basil, 36 mint and 16 parsley plants. Write the ratio basil : mint : parsley in its simplest form.

Answer _____

12

A film lasts 1 hour 30 minutes.
Its adverts last 6 minutes.
Write the ratio of advert time to film time in its simplest form.

Answer _____

13

Mo has £60. He spends £45 and saves the rest. Write the ratio of the money he spends to the money he saves in its simplest form.

Answer _____

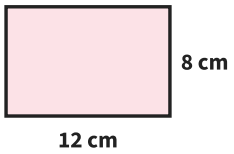
14

A model car is 8 cm long. The real car is 4 m long. Write the ratio of the model's length to the real length in the form $1 : n$.

Answer _____

15

Write the ratio of the length of this rectangle to its perimeter in its simplest form.



Answer _____

16

Jay says that 18 : 24 and 30 : 40 are the same ratio. Is he right?
Show how you know.

Answer _____