



SCAN ME

# Writing/Simplifying Ratio



SCAN ME

REVISE THIS  
TOPIC

CHECK YOUR  
ANSWERS

1 Simplify fully 18 : 10 [1 mark]

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Answer \_\_\_\_\_ :



2 Simplify fully 20 : 8 [1 mark]

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Answer \_\_\_\_\_ :



3 Simplify fully 12 : 18 [1 mark]

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Answer \_\_\_\_\_ :



$\frac{\quad}{3}$





4 Simplify fully 15 : 35

[1 mark]



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Answer \_\_\_\_\_ :

5 Simplify fully 27 : 45

[2 marks]



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Answer \_\_\_\_\_ :

6 Simplify fully 75 : 45

[2 marks]



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Answer \_\_\_\_\_ :





7 Simplify fully 12 : 18 : 24

[2 marks]



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Answer \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_

8 Simplify fully 20 : 50 : 55

[2 marks]



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Answer \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_

9 Simplify fully 24 : 36 : 60

[2 marks]



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Answer \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_





10

A bag contains 30 counters.

16 of the counters are red and the rest are blue.

Write the ratio of red counters to blue counters.

Give your answer in its simplest form.

[2 marks]

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Answer \_\_\_\_\_ : \_\_\_\_\_

11

A recipe uses 240 g of flour and 180 g of sugar.

Write the ratio of flour to sugar.

Give your answer in its simplest form.

[2 marks]

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Answer \_\_\_\_\_ : \_\_\_\_\_





12

There are 54 passengers on a bus.

42 of the passengers are seated and the rest are standing.

Write the ratio of seated passengers to standing passengers.

Give your answer in its simplest form.

**[2 marks]**

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Answer \_\_\_\_\_ : \_\_\_\_\_

13

At a football game there are 14 250 home fans and 7500 away fans.

Write the ratio of home fans to away fans.

Give your answer in its simplest form.

**[2 marks]**

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Answer \_\_\_\_\_ : \_\_\_\_\_

Turn over ►





14 Neil makes paint by mixing

300 ml of red paint  
360 ml of blue paint  
150 ml of white paint

Write the ratio of red paint to blue paint to white paint used by Neil.

Give your answer in its simplest form.

[2 marks]

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Answer \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_

15 The mass of an apple is 180 g  
The mass of a watermelon is 3.2 kg

Write the ratio of the mass of the apple to the mass of the watermelon.

Give your answer in its simplest form.

[2 marks]

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Answer \_\_\_\_\_ : \_\_\_\_\_





**16** The prices of some items in a stationery store are shown below

Ruler = 16p

Pen = 40p

Notebook = £2.20

**16 (a)** Write the ratio of the price of a ruler to the price of a pen.

Give your answer in its simplest form.

**[2 marks]**

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Answer \_\_\_\_\_ : \_\_\_\_\_

**16 (b)** Write the ratio of the price of a pen to the price of a notebook.

Give your answer in its simplest form.

**[2 marks]**

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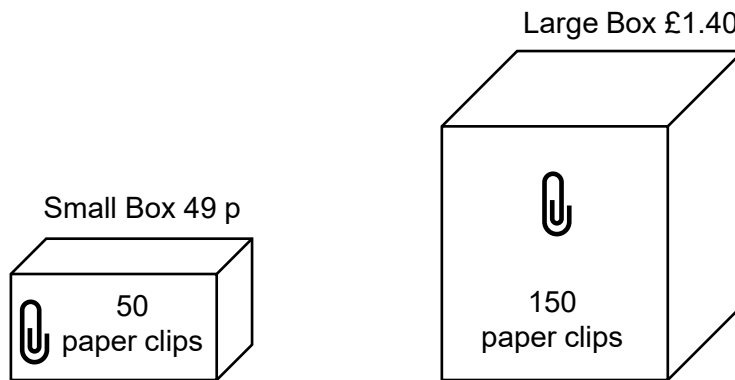
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Answer \_\_\_\_\_ : \_\_\_\_\_





- 17 Paper clips can be purchased in two different sized boxes shown below.



- 17 (a) Write the ratio of the number of paper clips in a small box to the number of paper clips in a large box.

Give your answer in its simplest form.

[2 marks]

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Answer \_\_\_\_\_ : \_\_\_\_\_

- 17 (b) Write the ratio of the price of a small box to the price of a large box.

Give your answer in its simplest form.

[2 marks]

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Answer \_\_\_\_\_ : \_\_\_\_\_







18

Aidan and Olly run an 800 m race.

Aidan takes  $2\frac{1}{2}$  minutes to complete the race.

Olly takes 125 seconds to complete the race.

Write the ratio of Aidan's time to Olly's time.

Give your answer in its simplest form.

[3 marks]

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Answer \_\_\_\_\_ : \_\_\_\_\_

19

A ribbon has a length of 250 mm

A piece of string has a length of 45 cm

A rope has a length of 2 m

Write the ratio of the lengths of the ribbon : string : rope

Give your answer in its simplest form.

[3 marks]

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Answer \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_

$\frac{1}{10}$



Turn over ►





20

A bag contains some red counters, blue counters and green counters.

There are twice as many blue counters as red counters.

There are four times as many green counters as blue counters.

Write the ratio of red counters : blue counters : green counters

Give your answer in its simplest form.

[2 marks]

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Answer \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_

21

A jar contains some strawberry sweets, lemon sweets and cola sweets.

There are five times as many lemon sweets as strawberry sweets.

There are four times as strawberry sweets as cola sweets.

Write the ratio of strawberry sweets : lemon sweets : cola sweets

Give your answer in its simplest form.

[2 marks]

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Answer \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_





22

A paint mixture contains some red paint, blue paint and yellow paint.

There is four times as much blue paint as yellow paint.

There is ten times as much blue paint as red paint.

Write the ratio of red paint : blue paint : yellow paint

Give your answer in its simplest form.

[2 marks]

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Answer \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_

23

Sam, Alex and Priya are members of the same family.

Alex is twice as old as Sam.

Priya's age is one third of Sam's age.

Write the ratio of Sam's age : Alex's age : Priya's age.

Give your answer in its simplest form.

[2 marks]

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Answer \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_

$\frac{1}{8}$

