Ratio in the form n : 1

SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

SCAN ME

1 Write 6 : 4 in the form n : 1 **[1 mark]**

Answer _____ : 1

2 Write 18 : 12 in the form n : 1 **[1 mark]**

Answer _____ : 1

3 Write 14 : 10 in the form n : 1 **[1 mark]**

Answer _____ : 1

3

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4 Write 15 : 6 in the form n : 1 **[2 marks]**

Answer _____ : 1

5 Write 10 : 8 in the form n : 1 **[2 marks]**

Answer _____ : 1

6 Write 42 : 12 in the form n : 1 **[2 marks]**

Answer _____ : 1

7 Write 44 : 20 in the form n : 1 **[2 marks]**

Answer _____ : 1

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8 Write 8 : 60 in the form 1 : n **[2 marks]**

Answer 1 : _____

9 Write 7 : 10 in the form n : 1 **[1 mark]**

Answer _____ : 1

10 Write 99 : 18 in the form n : 1 **[2 marks]**

Answer _____ : 1

11 Write 3 : 4 in the form n : 1 **[1 mark]**

Answer _____ : 1

14

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12 Write 36 : 25 in the form n : 1 **[1 mark]**

Answer _____ : 1

13 Write 48 : 15 in the form n : 1 **[1 mark]**

Answer _____ : 1

14 Write 81 : 50 in the form n : 1 **[1 mark]**

Answer _____ : 1

15 Write 67 : 20 in the form n : 1 **[1 mark]**

Answer _____ : 1

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16 Write 25 : 68 in the form 1 : n **[1 mark]**

Answer 1 : _____

17 Write 117 : 45 in the form n : 1 **[1 mark]**

Answer _____ : 1

18 Write 87 : 25 in the form n : 1 **[1 mark]**

Answer _____ : 1

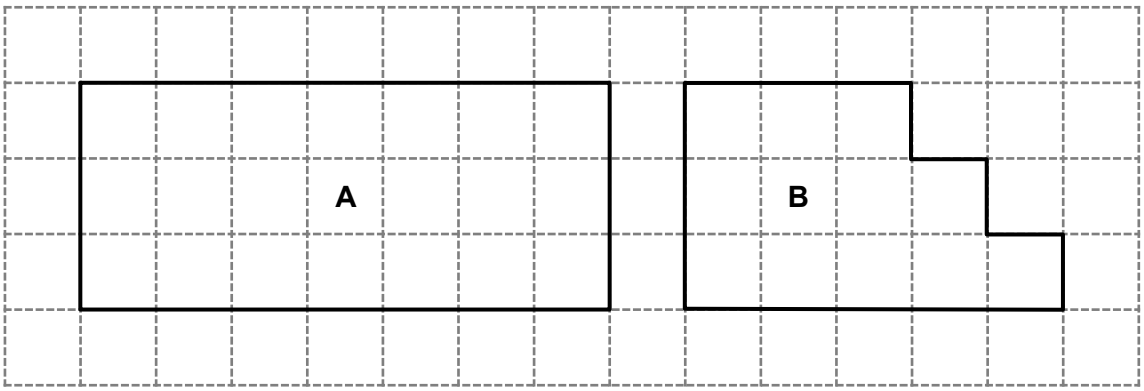
19 Write 1080 : 25 in the form n : 1 **[1 mark]**

Answer _____ : 1

8

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20 Shape **A** and shape **B** are drawn on a centimetre grid.



20 (a) Write area of shape A : area of shape B in the form n : 1 **[2 marks]**

Answer _____ : 1

20 (b) Write perimeter of shape A : perimeter of shape B in the form n : 1 **[2 marks]**

Answer _____ : 1

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21 Write £2.50 : 20p in the form n : 1 **[2 marks]**

Answer _____ : 1

22 Write 3 m : 80 cm in the form n : 1 **[3 marks]**

Answer _____ : 1

23 Write 4.2 kg : 750 g in the form n : 1 **[2 marks]**

Answer _____ : 1

11

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24 The table shows information about students from Y10 and Y11 and if they were on time for school or late.

	On time	Late
Y10	96	24
Y11	69	20

24 (a) Write the ratio of Y10 students who were late to Y11 students who were late.
Give your answer in the form n : 1 **[1 mark]**

Answer _____ : 1

24 (b) Write the ratio of students who were on time to students who were late.
Give your answer in the form n : 1 **[2 marks]**

Answer _____ : 1

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Solutions

25 Write $6^2 : 2^3$ in the form $n : 1$ **[3 marks]**

Answer _____ : 1

26 Write $2^{12} : 2^4$ in the form $n : 1$, where n is an integer. **[3 marks]**

Answer _____ : 1

27 Write $7 \times 10^3 : 2 \times 10^2$ in the form $n : 1$ **[3 marks]**

Answer _____ : 1

12

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28 84% of visitors to a gym are members.

Write the ratio of visitors who are members to visitors who are **not** members.

Give your answer in the form n : 1 **[2 marks]**

Answer _____ : 1

29 The sizes of two of the angles in a triangle are 44° and 104°
Write the ratio of the size of the largest angle to the size of the smallest angle.
Give your answer in the form n : 1 **[3 marks]**

Answer _____ : 1

30 Write 2 days : 50 minutes in the form n : 1 **[3 marks]**

Answer _____ : 1

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31 Write $\sqrt{64} : \sqrt{25}$ in the form $n : 1$ **[3 marks]**

Answer _____ : 1

32 Write $\frac{3}{5} : \frac{6}{7}$ in the form $n : 1$ **[3 marks]**

Answer _____ : 1

33 Write $3\frac{1}{2} : 1\frac{1}{4}$ in the form $n : 1$ **[3 marks]**

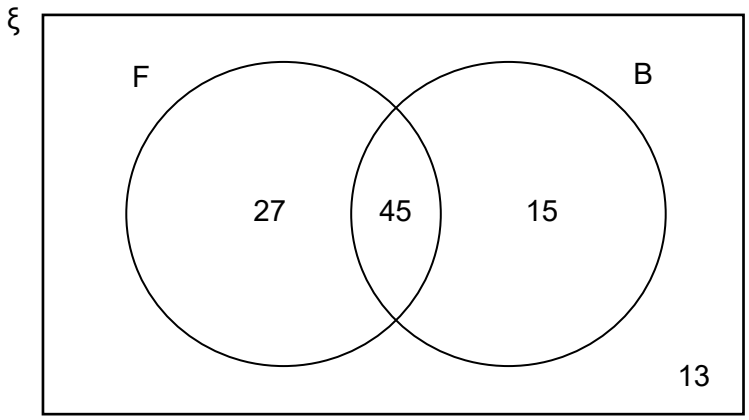
Answer _____ : 1

17

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34 100 students were asked if they play football or basketball.

ξ = 100 students surveyed
F = student plays football
B = student plays basketball



34 (a) Write the ratio

Students who play football : students who play basketball

Give your answer in the form n : 1 **[3 marks]**

Answer _____ : 1

34 (b) Write the ratio

Students who play basketball : students who do **not** play basketball

Give your answer in the form n : 1 **[3 marks]**

Answer _____ : 1

6