



SCAN ME

Ratio in the form $n : 1$



SCAN ME

REVISE THIS
TOPIC

CHECK YOUR
ANSWERS

1 Write the ratio $6 : 4$ in the form $n : 1$



.....
(Total for Question 1 is 1 mark)

2 Write the ratio $18 : 12$ in the form $n : 1$



.....
(Total for Question 2 is 1 mark)

3 Write the ratio $14 : 10$ in the form $n : 1$



.....
(Total for Question 3 is 1 mark)



4 Write the ratio 15 : 6 in the form $n : 1$



(Total for Question 4 is 2 marks)

5 Write the ratio 10 : 8 in the form $n : 1$



(Total for Question 5 is 2 marks)

6 Write the ratio 42 : 12 in the form $n : 1$



(Total for Question 6 is 2 marks)

7 Write the ratio 44 : 20 in the form $n : 1$



(Total for Question 7 is 2 marks)





8 Write the ratio 8 : 60 in the form 1 : n



.....
(Total for Question 8 is 2 marks)

9 Write the ratio 7 : 10 in the form n : 1



.....
(Total for Question 9 is 1 mark)

10 Write the ratio 99 : 18 in the form n : 1



.....
(Total for Question 10 is 2 marks)

11 Write the ratio 3 : 4 in the form n : 1



.....
(Total for Question 11 is 1 mark)



12 Write the ratio 36 : 25 in the form $n : 1$

.....
(Total for Question 12 is 1 mark)

13 Write the ratio 48 : 15 in the form $n : 1$

.....
(Total for Question 13 is 1 mark)

14 Write the ratio 81 : 50 in the form $n : 1$

.....
(Total for Question 14 is 1 mark)

15 Write the ratio 67 : 20 in the form $n : 1$

.....
(Total for Question 15 is 1 mark)



16 Write the ratio 25 : 68 in the form 1 : n

.....
(Total for Question 16 is 1 mark)

17 Write the ratio 117 : 45 in the form n : 1

.....
(Total for Question 17 is 1 mark)

18 Write the ratio 87 : 25 in the form n : 1

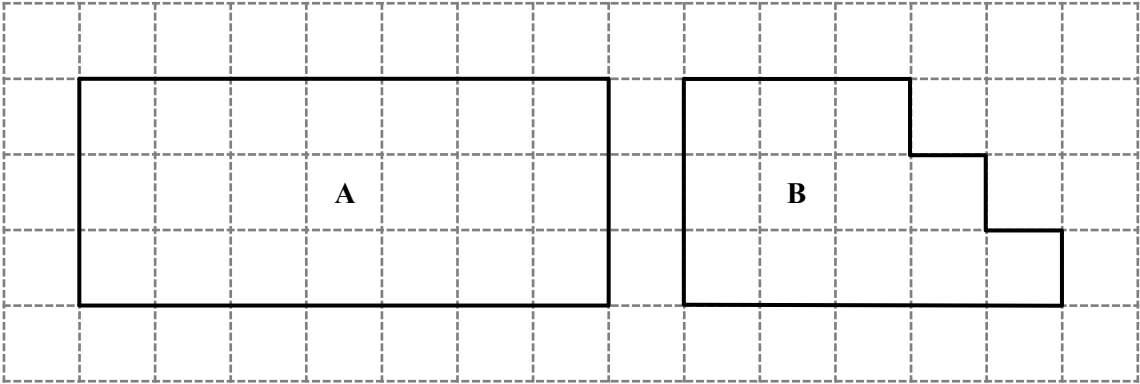
.....
(Total for Question 18 is 1 mark)

19 Write the ratio 1080 : 25 in the form n : 1

.....
(Total for Question 19 is 1 mark)



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



(a) The area of shape **A** : the area of shape **B** = $n : 1$

Work out the value of n .

$n =$
 (2)

(b) The perimeter of shape **A** : the perimeter of shape **B** = $m : 1$

Work out the value of m .

$m =$
 (2)

(Total for Question 20 is 4 marks)



21 Write the ratio £2.50 : 20p in the form $n : 1$



.....
(Total for Question 21 is 2 marks)

22 Write the ratio 3 m : 80 cm in the form $n : 1$



.....
(Total for Question 22 is 3 marks)

23 Write the ratio 4.2 kg : 750g in the form $n : 1$

.....
(Total for Question 23 is 2 marks)



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

(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)

(b) Write the ratio of students who were on time to students who were late.
Give your answer in the form $n : 1$

.....
(2)

(Total for Question 24 is 3 marks)



25 Write the ratio $6^2 : 2^3$ in the form $n : 1$



(Total for Question 25 is 3 marks)

26 Write the ratio $2^{12} : 2^4$ in the form $n : 1$, where n is an integer.



(Total for Question 26 is 3 marks)

27 Write the ratio $7 \times 10^3 : 2 \times 10^2$ in the form $n : 1$



(Total for Question 27 is 3 marks)



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 $n : 1$

.....
(Total for Question 28 is 2 marks)

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 $n : 1$

.....
(Total for Question 29 is 3 marks)

30 Write the ratio 2 days : 50 minutes in the form $n : 1$

.....
(Total for Question 30 is 3 marks)



31 Write the ratio $\sqrt{64} : \sqrt{25}$ in the form $n : 1$



.....
(Total for Question 31 is 3 marks)

32 Write the ratio $\frac{3}{5} : \frac{6}{7}$ in the form $n : 1$



.....
(Total for Question 32 is 3 marks)

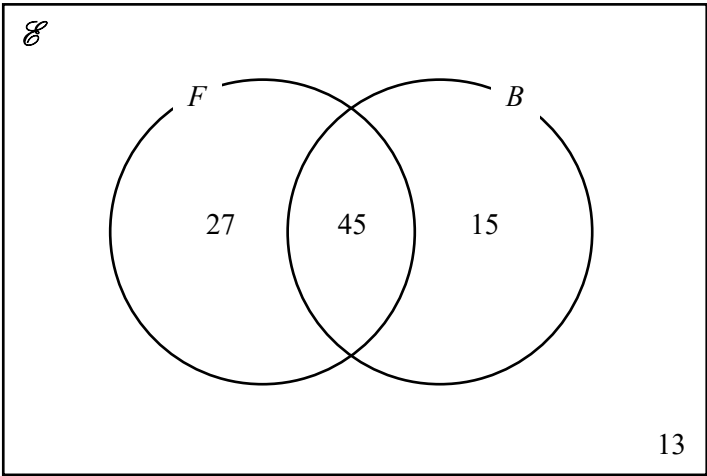
33 Write the ratio $3\frac{1}{2} : 1\frac{1}{4}$ in the form $n : 1$



.....
(Total for Question 33 is 3 marks)



34 100 students were asked if they play football (F) or basketball (B).
 The results are shown in the Venn diagram below.



(a) Write the ratio

Students who play football : students who play basketball

Give your answer in the form $n : 1$

(b) Write the ratio

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

Give your answer in the form $n : 1$

(3)

(3)

(Total for Question 34 is 6 marks)

