

# Ratio

B

Name \_\_\_\_\_

1 Complete the sentences.

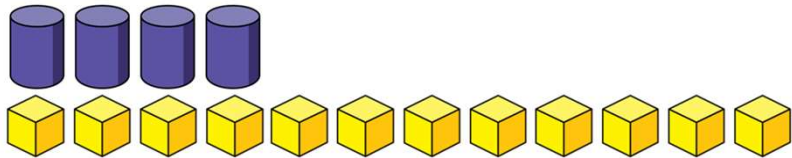


For every 1 cherry, there are  plums.



For every 2 bananas, there are  carrots.

2 Complete the sentence.



For every 1 cylinder, there are  cubes.



1 mark



1 mark



1 mark

3 Alex has these coins.



Whitney has these coins.



Alex says that for every 3 coins she has, Whitney has 5 coins.

Is Alex correct?    yes     no

Explain or show why.

No because Alex has 4 coins and Whitney has 10, so for every 2 coins that Alex has, Whitney has 5.



1 mark

4



The ratio of circles to squares is  :



Complete the ratio in 2 different ways.

The ratio of rectangles to triangles is  :

The ratio of rectangles to triangles is  :



1 mark



2 marks

5

Circle the equivalent ratios. 1 mark for 2 correct.

2 : 10     1 : 5    3 : 12    8 : 4     3 : 15



2 marks

6 Part of a bar is shaded.



What fraction of the bar is shaded?

$\frac{2}{5}$



1 mark

What is the ratio of shaded parts to non-shaded parts?

2:3



1 mark

7 For every 4 boys in a class, there are 2 girls.



There are 24 children in the class.  
How many girls are there?

2 marks for the correct answer.

1 mark for calculating that 1 part is worth 6

$24 \div 6 = 4$

8



2 marks

8 The ratio of red to blue cubes in a tower is 1 : 5

There are 6 red cubes in the tower.

How many cubes are blue?

30



1 mark

9 Eva has some red and green grapes.

For every 5 green grapes, she has 3 red grapes.

She has 35 green grapes.

How many more green grapes than red grapes does Eva have?

2 marks for the correct answer.

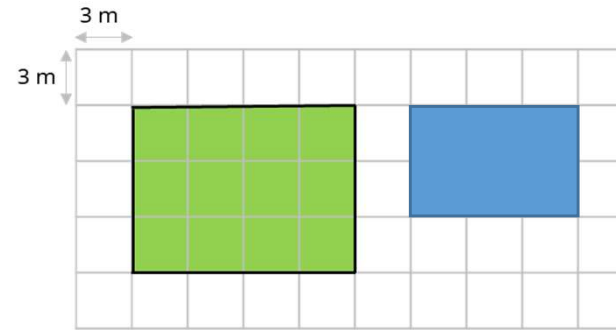
1 mark for  $35 \div 5 = 7$  and  $7 \times 3 = 21$

14



2 marks

10 A field is drawn to scale.  
Each square on the grid represents 3 m.



What is the length of the field?

12 m



1 mark

Another field is 9 m long and 6 m wide.

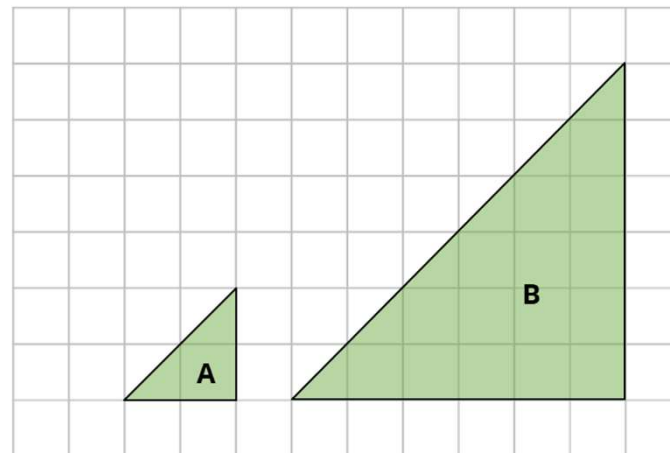
Draw this field on the grid above.

1 mark for the length and 1 mark for the width.



2 marks

11 Here are two triangles.  
Triangle B is an enlargement of triangle A.



What is the scale factor of enlargement?

3



1 mark