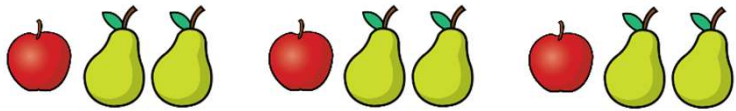


Ratio

A

Name _____

1 Complete the sentences.



For every 1 apple, there are pears.



For every 2 oranges, there are lemons.

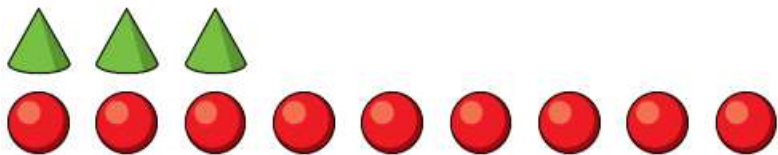


1 mark



1 mark

2 Complete the sentence.



For every 1 cone, there are spheres.



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.



1 mark

Yes because Alex has 6 coins and Whitney has 10, so for every 3 coins Alex has, Whitney has 5

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 : 8 4 : 1 3 : 12 1 : 4 3 : 16



2 marks



White
Rose
Maths

6 Part of a bar is shaded.



What fraction of the bar is shaded?

$\frac{1}{5}$



1 mark

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

1:4



1 mark

7 For every 3 boys in a class, there are 2 girls.



There are 20 children in the class.
How many girls are there?

2 marks for the correct answer.

1 mark for calculating that 1 part is worth 4

$20 \div 5 = 4$

8



2 marks

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

There are 8 red cubes in the tower.

How many cubes are blue?

40



1 mark

9 Eva has some red and green grapes.
For every 3 green grapes, she has 5 red grapes.
She has 24 green grapes.

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

2 marks for the correct answer.

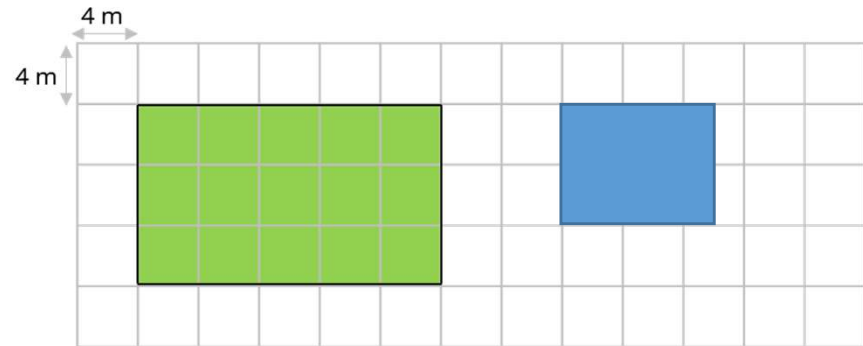
1 mark for $24 \div 3 = 8$ and $8 \times 5 = 40$

16



2 marks

10 A field is drawn to scale.
Each square on the grid represents 4 m.



What is the length of the field?

20 m



1 mark

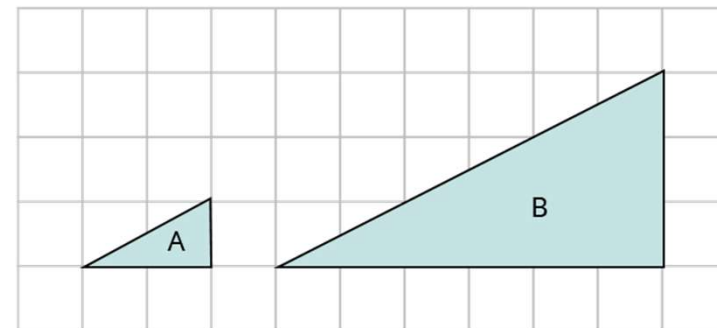
Another field is 10 m long and 8 m wide.
Draw this field on the grid above.

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