



# Test 4: Ratio and proportion

- 1 Look at these shapes. 

Put a tick if the statement is true and a cross if it is false.

The ratio of  :  = 3:2 ☐

60% of the shapes are  ☐

The ratio of  :  = 3:2 ☐

☐

1 mark

- 2 Ava and Harry share 36 grapes in the ratio 4:5.

How many grapes do they each have?

Complete the sentence.

Ava has ..... grapes and Harry has ..... grapes.

☐

1 mark

- 3 There are 50 pupils in the school play.

16 of them are boys.

What percentage of the pupils are boys?

Tick **one**.

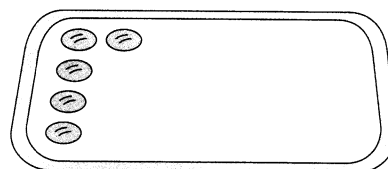
16% ☐ 8% ☐ 32% ☐ 50% ☐

☐

1 mark

- 4 Ming baked some biscuits.

The picture shows **20%** of the biscuits that she baked.



How many biscuits did she bake altogether?

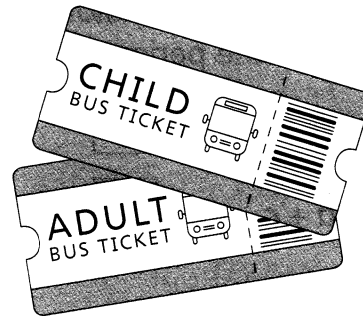
Show your method.

biscuits

☐

2 marks

- 5 An adult's bus ticket costs £9.60.  
It costs twice as much as a child's bus ticket.  
How much does a child's bus ticket cost?  
Circle **one**.



£19.20      £4.30      £9.60      £4.80

☐  
1 mark

- 6 Arlo and Lee have 25 sweets altogether.  
Arlo has **9 more** sweets than Lee.  
How many sweets does Lee have?

Show your method.

sweets

☐  
2 marks

- 7 Write the missing number to complete the sentence.  
Grandma uses 2 eggs to make 12 cupcakes.  
She uses ..... eggs to make 18 cupcakes.

☐  
1 mark

- 8 A plane is 40m long and 8m wide.  
Max says, "A miniature model of this plane could be 10cm long and 20cm wide."  
Explain why Max is **not** correct.

.....  
.....

☐  
1 mark

Total marks ..... Time taken .....