



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 16 grapes and Harry has 20 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**.

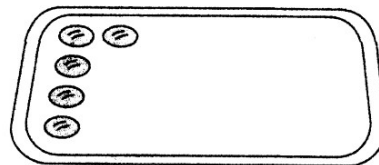
16% ☐ 8% ☐ 32% ☒ 50% ☐

☐

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.

$$5 \times 20\% = 100\%$$

$$5 \times 5 = 25$$

25 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.



$$25 - 9 = 16$$

$$16 \div 2 = 8$$

8 sweets

☐ 2 marks

- 7 Write the missing number to complete the sentence.

Grandma uses 2 eggs to make 12 cupcakes.

She uses 3 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.

If 10 cm long then 2 cm wide
If 20 cm wide then 100 cm long

☐ 1 mark

Total marks Time taken