

Year 7

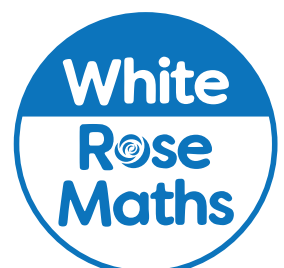
Mathematics

Foundation: No calculator allowed

Time allowed: 45 minutes

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
Teacher						

These assessments have been designed by White Rose Maths.
For more information, please visit www.whiterosemaths.com



1

There are 720 cars in a car park.

250 cars leave.

How many cars are now in the car park?

1 mark

2

Work out

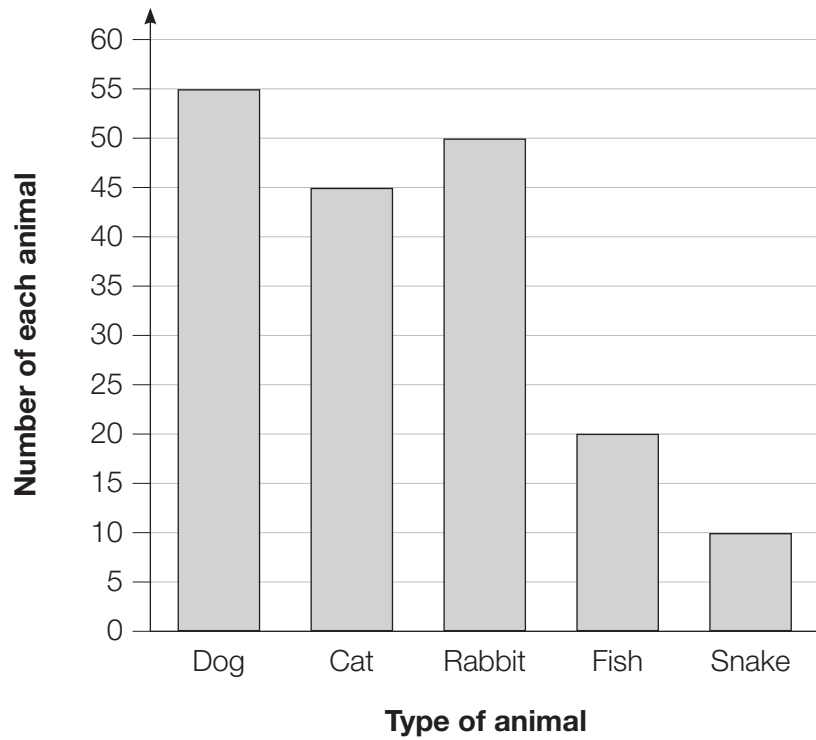
$$\frac{1}{7} + \frac{1}{7} + \frac{1}{7} = \frac{\quad}{\quad}$$

$$\frac{5}{8} - \frac{3}{8} = \frac{\quad}{\quad}$$

2 marks

3

The bar chart shows the number of animals in a pet shop.



How many fish are there in the shop?

1 mark

How many more cats are there in the shop than snakes?

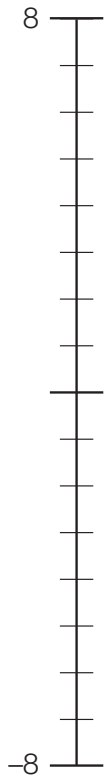
1 mark

4

The temperature one morning was -3°C .

The temperature in the afternoon was 6°C .

By how many degrees had the temperature increased?



1 mark

Complete the calculations.

$$-3 - 4 = \boxed{}$$

$$-3 + 4 = \boxed{}$$

$$4 + -3 = \boxed{}$$

2 marks

5

Ashley runs for 30 minutes each day for four days.

The table shows the distance she ran each day.

Day	Monday	Tuesday	Wednesday	Thursday
Distance (km)	1.8	4.2	3.7	5

How many **more** kilometres did she run on Thursday than Monday?

1 mark

Ashley's target was to run 15 kilometres over the four days.

Did she reach her target?

Circle your answer and explain your reasoning.

Yes

No

1 mark

6

Solve the equations.

$$a + 93 = 172$$

$$3b = 96$$

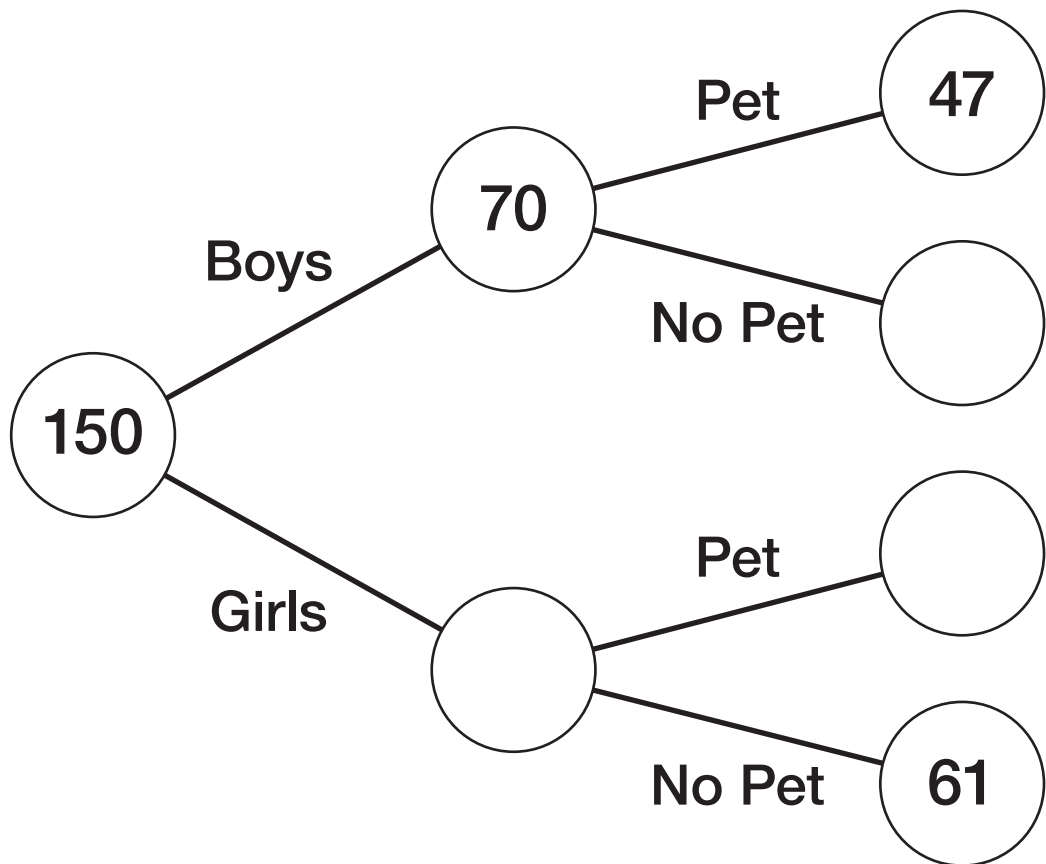
$$\frac{c}{3} = 57$$

3 marks

7

150 children are asked if they own a pet.

The results are shown on the frequency tree.



Fill in the missing numbers on the frequency tree.

2 marks

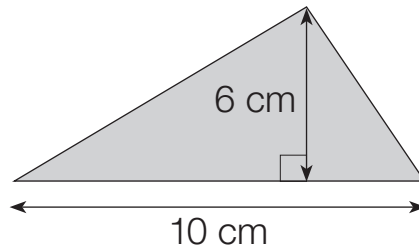
Work out the total number of children who own a pet.

1 mark

8

Work out the area of the triangle.

State units with your answer.



2 marks

9

Fill in the boxes to make the statements correct.

$$60 \times 10 = \boxed{}$$

$$35.7 \times 100 = \boxed{}$$

$$\boxed{} \div 100 = 4.5$$

3 marks

10

Sue wants to bake 100 buns.

She bakes 5 trays of 6 buns and 4 trays of 12 buns.

How many **more** buns does she need to bake?

2 marks

11

Complete the calculations.

$$173 \times 9$$

2 marks

$$73.2 \div 6$$

2 marks

12

How many grams are there in a kilogram?

1 mark

A piece of string is 47 cm long.

What is the length of the piece of string in mm?

1 mark

What is the length of the piece of string in m?

1 mark

13

Fill in the missing number.

$$\frac{5}{6} = \frac{\square}{18}$$

1 mark

Work out.

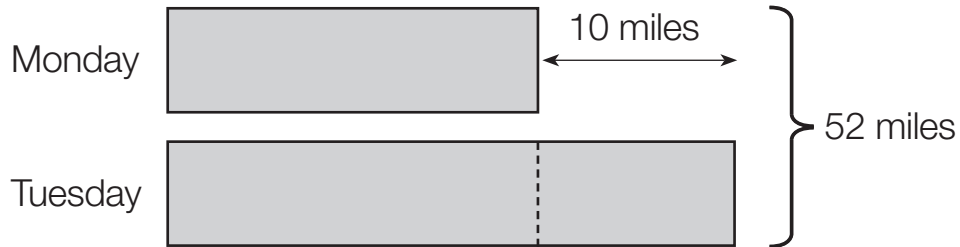
$$\frac{5}{6} - \frac{5}{18}$$

Give your answer in its simplest form.

2 marks

14

On Tuesday Nina cycles 10 **more** miles than she did on Monday.
 In total over the two days she cycles 52 miles.
 This information is shown on a diagram.



How many miles does she cycle on **Monday**?

You may use the diagram to help you.

2 marks

15

Simplify these expressions.

$$3a + 2a - 7a$$

$$\frac{1}{4}b + \frac{1}{2}b$$

2 marks

$$1 - 0.26$$

$$-3 \times -4$$

$$\frac{4}{5} + 0.3$$

3 marks**END OF TEST**

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