2017 national curriculum tests

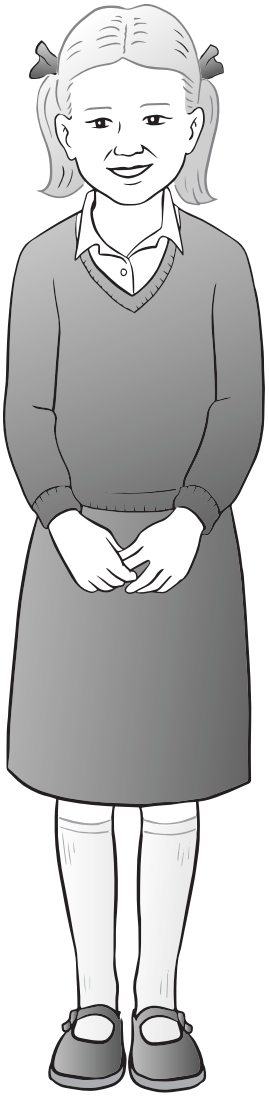
Key stage 1

Mathematics

Paper 2: reasoning

First name	
Middle name	
Last name	

Total marks	



Amy

Ajay

Sam Ben Sita Kemi

Practice question

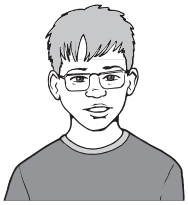
Ajay

Amy

footballs

1

Ben



Kemi

Sam

Sita

p

1 mark

2

110

1001

111

101

200

1 mark

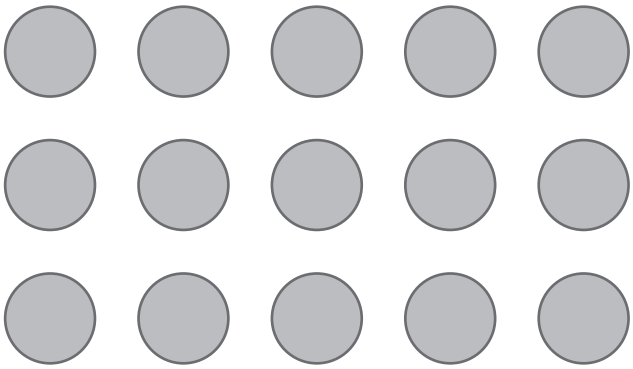
3

63

bean bags

1 mark

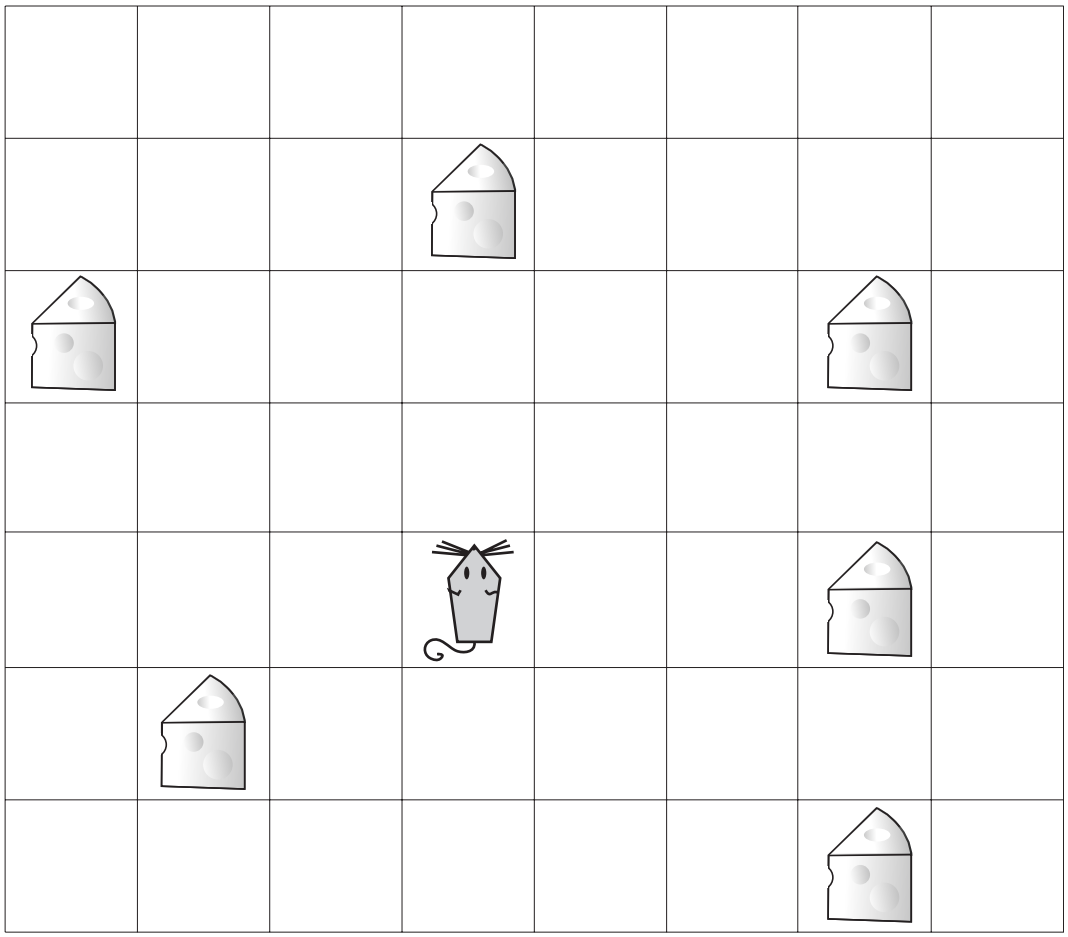
4



5 + 3
5 – 3
5 + 5
5 × 3

1 mark

5



1 mark

6 Write these numbers in order, starting with the smallest.

73 37 76 36 63

smallest **largest**

1 mark

7 Circle the **shortest** time.

70 minutes 10 minutes 45 minutes 1 hour

1 mark

8 A game costs £25

Ben has £19

How much **more** money does Ben need to buy the game?

£

1 mark

9 Circle the **two** numbers that are even.

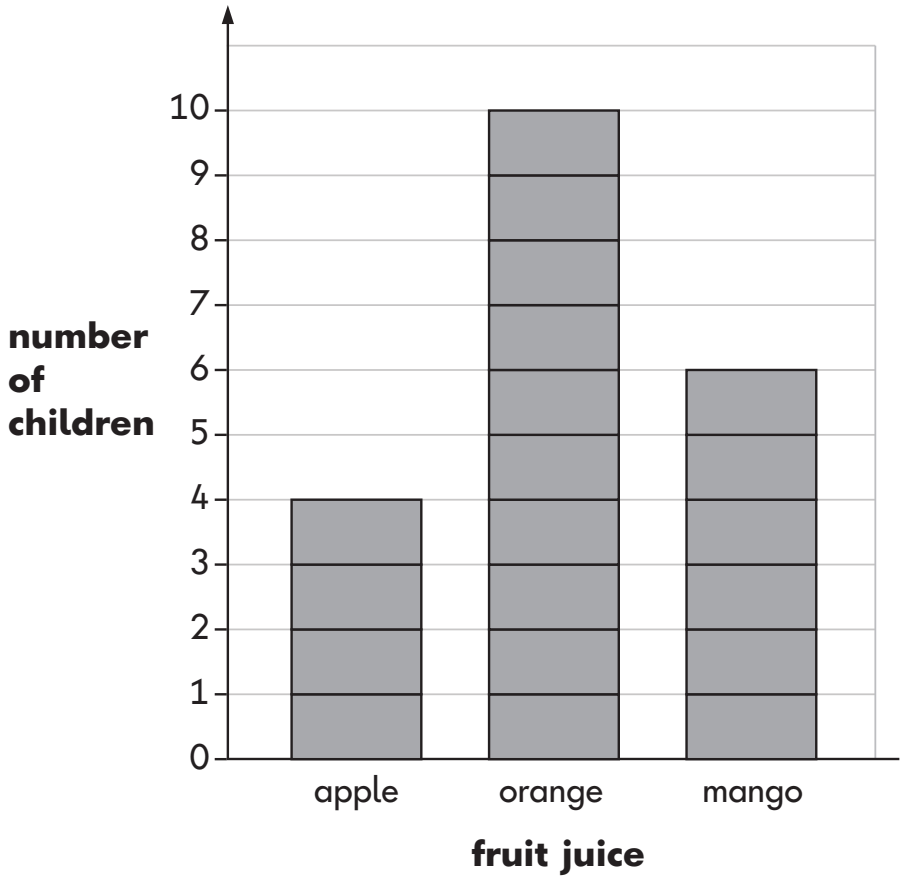
73 58

64 45

1 mark

10 20 children choose their favourite fruit juice.

The chart shows the results.



(a) How many **more** children choose orange than apple?

children

1 mark

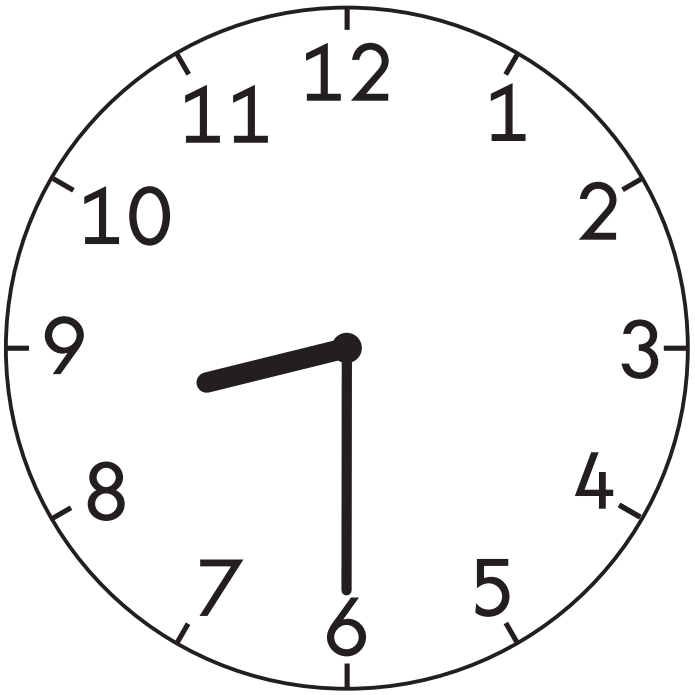
(b) Another boy joins the group.

He chooses **mango** juice.

Add this information to the chart.

1 mark

11



What time does the clock show?

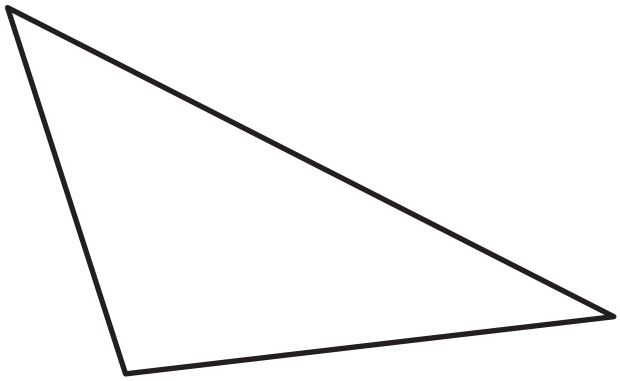
Tick the correct box.

twenty to 6	half past 9
half past 8	quarter to 6

1 mark

12 Measure the longest line.

Use a ruler.



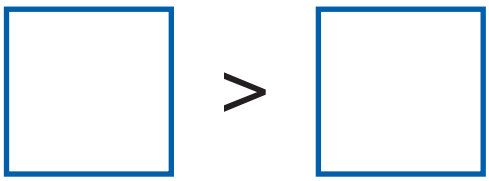
cm

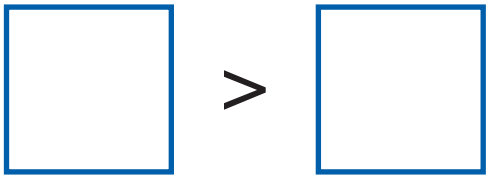
1 mark

13 Look at these numbers.

0	14	50	61

Write each number **once** to make these correct.

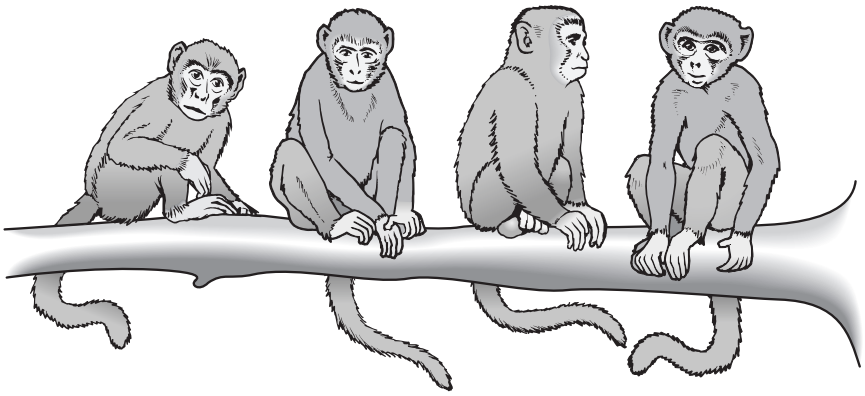




1 mark

14 **20** bananas are shared equally among **4** monkeys.

How many bananas does **each** monkey get?

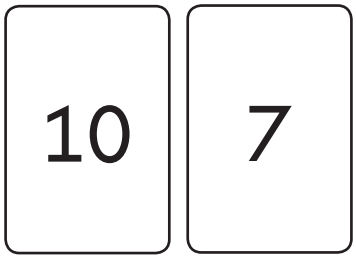


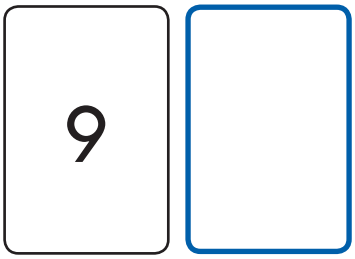
bananas

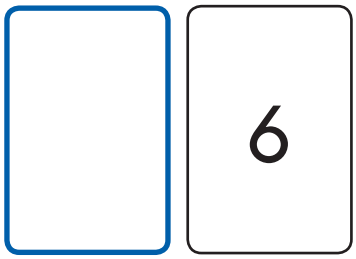
1 mark

15 Fill in the missing numbers to make each pair of cards **total 17**

One pair is done for you.







1 mark

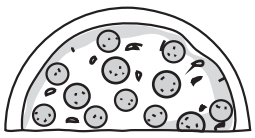
16 Look at these coins:

What is the largest amount you can make using **three** of these coins?

p

1 mark

17 Ben ate half a pizza.



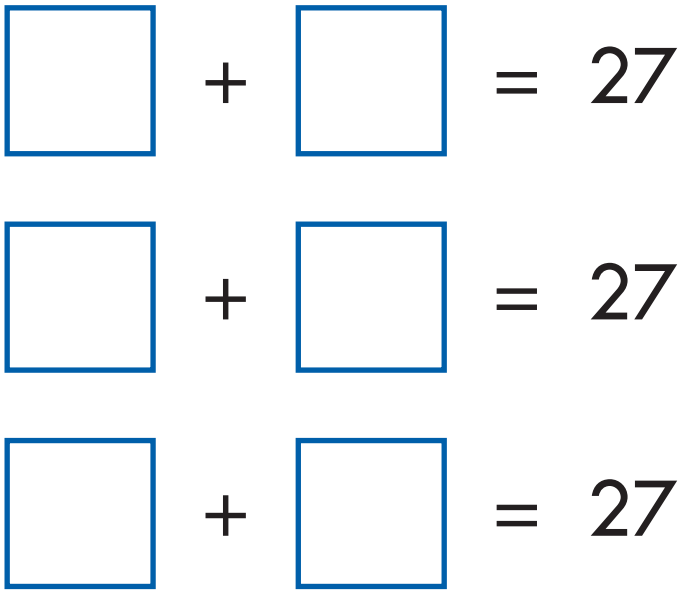
Which fraction shows the amount he ate?

Circle it.

$\frac{1}{4}$ $\frac{1}{3}$ $\frac{2}{4}$ $\frac{3}{4}$

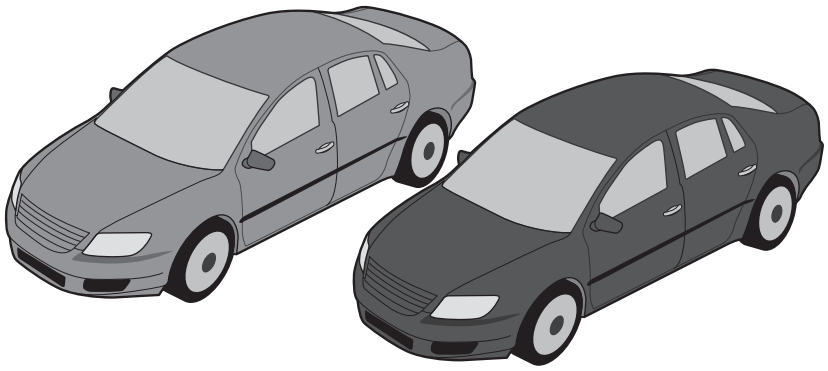
1 mark

18 Write six **different** numbers to make these sums correct.



2 marks

19 Ben and Sita count cars.



Ben counts **38** red cars.

Sita counts **23** blue cars.

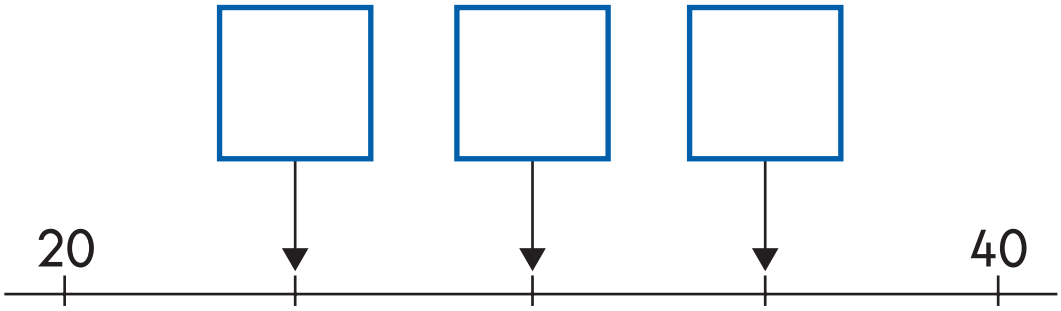
How many cars do they count **altogether**?

cars

1 mark

20 The numbers on this number line go up by the **same amount** each time.

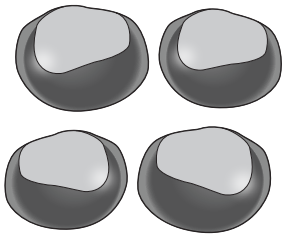
Write the missing numbers in the boxes.



1 mark

21 Ajay, Sam and Kemi have 4 conkers each.

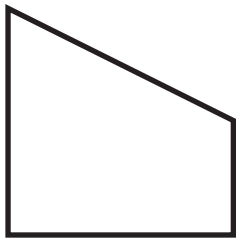
How many conkers do they have **altogether**?

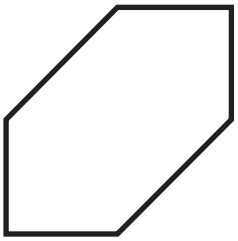


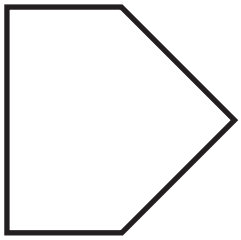
conkers

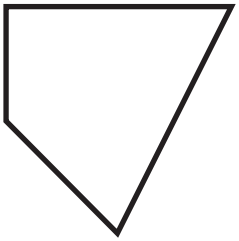
1 mark

22 Tick the **pentagon**.









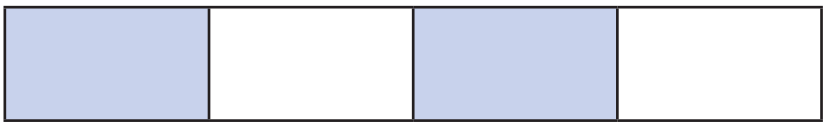
1 mark

23 Write the missing number to make this number sentence correct.

$$9 + 7 - \square = 12$$

1 mark

24 Tick the shape that has exactly $\frac{1}{3}$ shaded.



1 mark

25 Complete these sums.

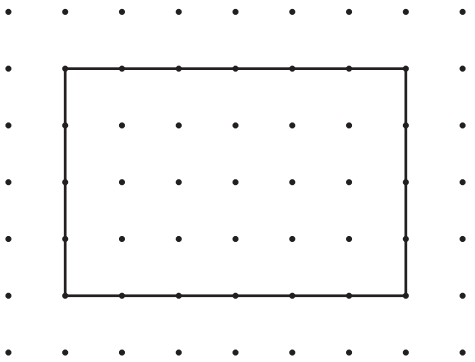
One is done for you.

3	+	7	=	10
33	+		=	40
	+	7	=	80

1 mark

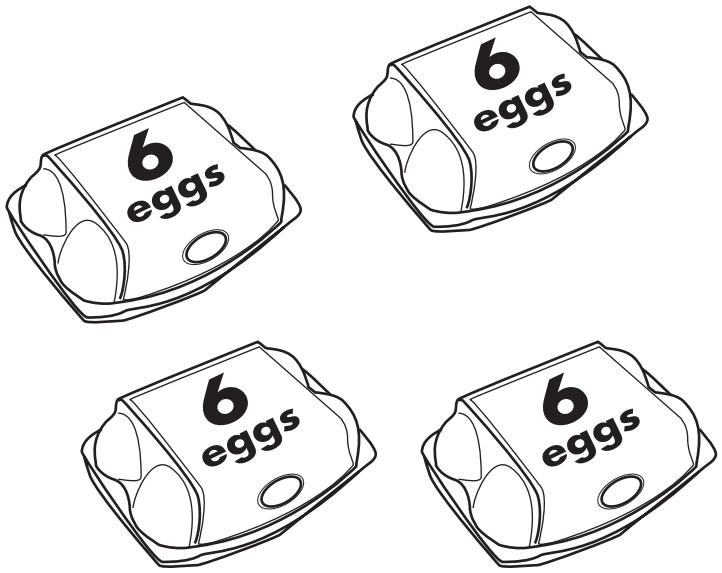
26 Draw lines to divide the rectangle into quarters.

Use the dots to help you.



1 mark

27 Ben has 4 boxes of eggs.



Write a number sentence using × and = to show that Ben has **24** eggs altogether.

1 mark

28 There are **55** cakes.

20 boys and **19** girls each take a cake.

How many cakes are **left**?

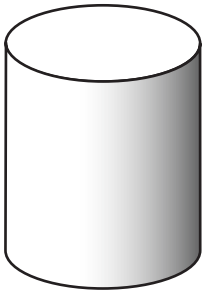
Show your working

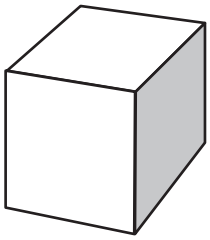
cakes

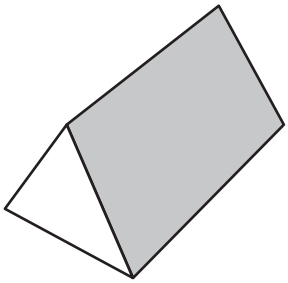
2 marks

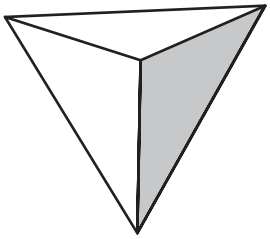
29 Two shapes have **more than 8** edges.

Tick them.







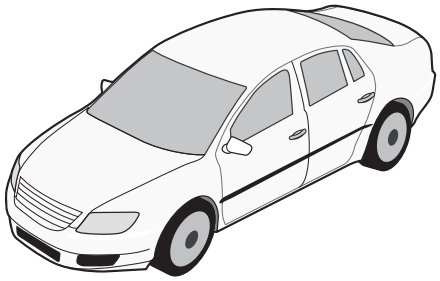


1 mark

30 There are **76** cars in the car park.

18 more cars go into the car park.

Then **35** cars go out.



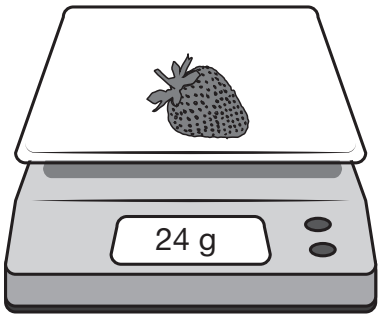
How many cars are in the car park **now**?

Show your working

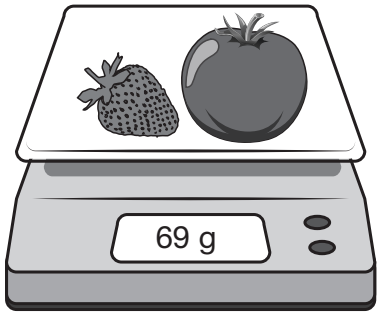
cars

2 marks

31 The strawberry weighs **24** grams.



The strawberry and tomato together weigh **69** grams.



What does the tomato weigh?

g

1 mark

End of test

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Standards & Testing Agency

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Paper 2: reasoning
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