

MATHEMATICS

YEAR 4

TEST 4b

LEVELS
3-4

CALCULATOR NOT ALLOWED

Total marks

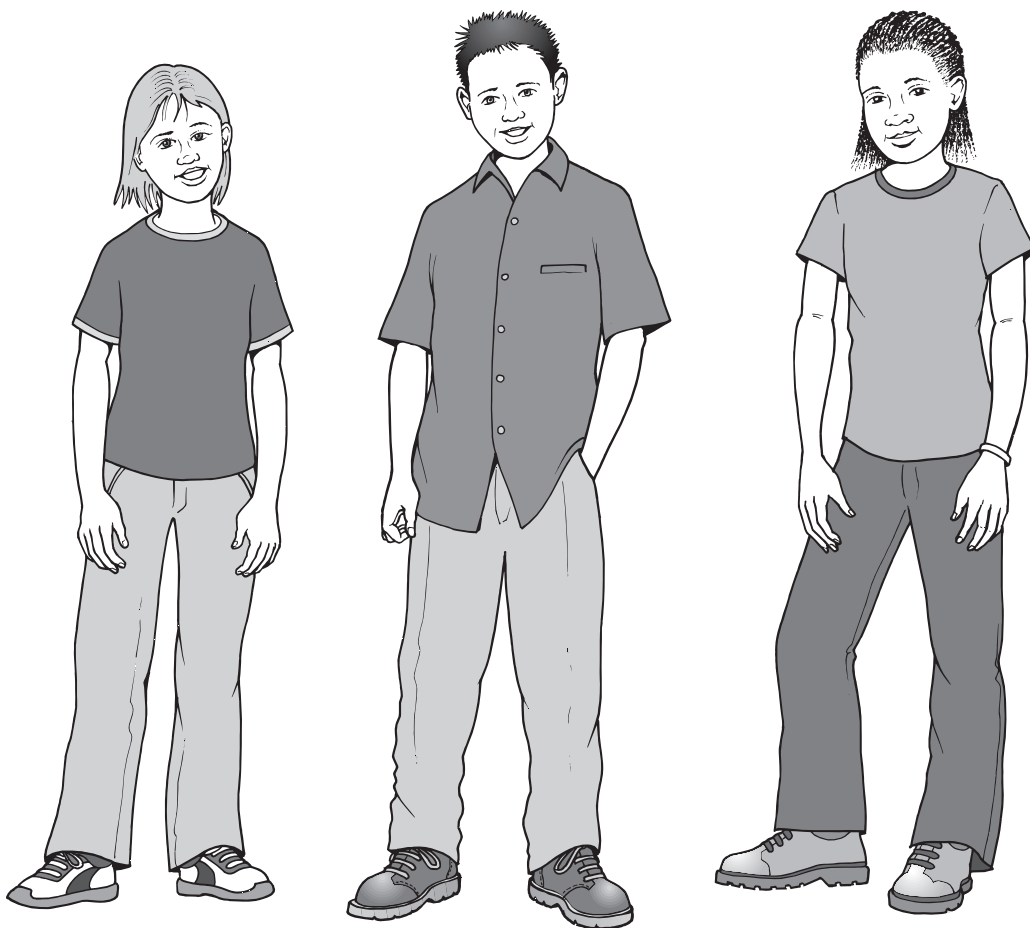


Name

Class

School

Date



Lauren

Zak

Jade

Getting started



This shows where you need to put the answer.

Some questions have an answer box like this:



Show
your **working**.
You may get
a mark.

A large rectangular box for working, with a smaller rectangular box for the answer in the bottom right corner.

For these questions you may get a mark for showing your working.

Practice question

Calculate **$15 + 10 + 5$**



A rectangular box for the answer.

1

Calculate **145 – 83**

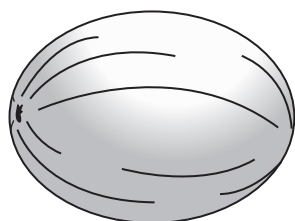


1
1 mark

2



grapefruit
45p each




melons
59p each

Zak has **one** 50p coin and **three** 20p coins.

He buys a grapefruit and a melon.

How much money does he have left?



Show
your **working**.
You may get
a mark.

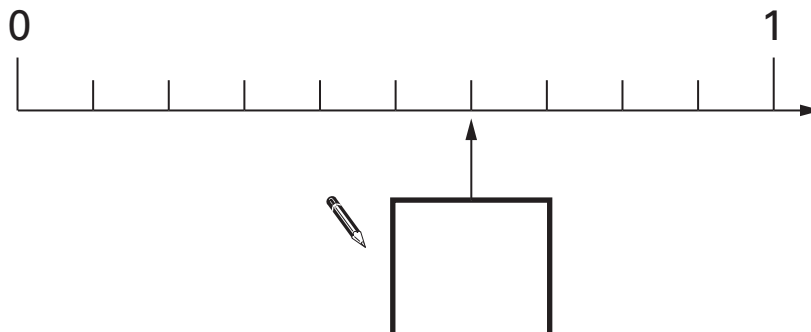
p

2i
2ii
2 marks

3

Here is part of a number line.

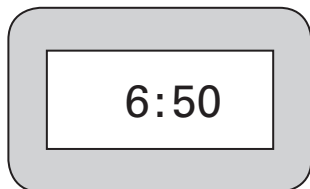
Write in the missing number.



3
1 mark

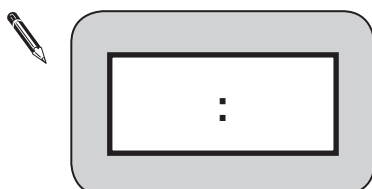
4

This clock shows the time that Zak puts a cake in the oven.



He takes it out of the oven 50 minutes later.

Write the time on the clock when he takes the cake out.



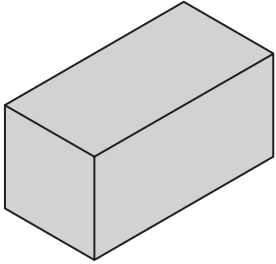
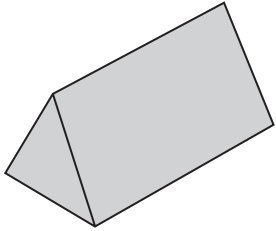

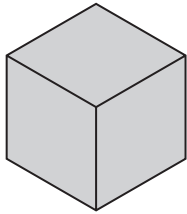
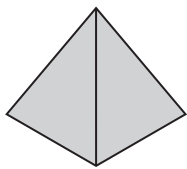
4
1 mark

5

The table shows the different faces of some 3-D shapes.

Write numbers on the faces to show how many of each there are.

One has been done for you.

3-D shapes	number of faces
 <p data-bbox="432 846 549 880">cuboid</p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 40px;">2</div> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 60px;">4</div> </div>
 <p data-bbox="352 1200 628 1234">triangular prism</p>	<div style="display: flex; justify-content: space-around; align-items: center;">  <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 80px; height: 40px; margin: 0 auto;"></div> </div> </div>
 <p data-bbox="448 1563 529 1597">cube</p>	<div style="display: flex; justify-content: center; align-items: center; height: 100px;"> <div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div> </div>
 <p data-bbox="304 1917 676 1951">square-based pyramid</p>	<div style="display: flex; justify-content: space-around; align-items: center; height: 100px;"> <div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div> </div>

5i

5ii

2 marks

6

Lauren buys 4 ice creams.

Each ice cream costs 85p.



How much do they cost altogether?



£

6

1 mark

7

The numbers in this sequence increase by 101 each time.

Write in the next two numbers in the sequence.



606

707

808

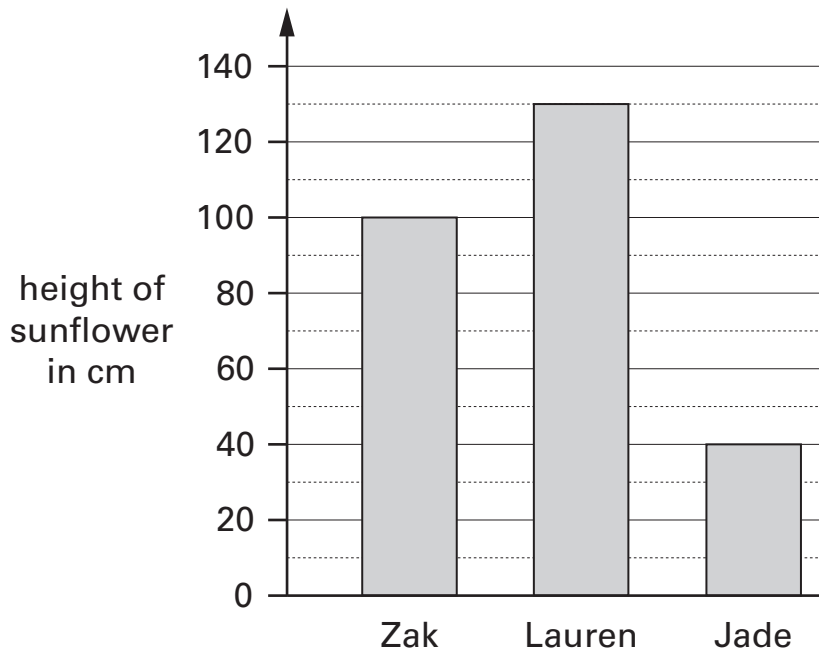
7

1 mark

8

Three children measure the height of their sunflowers.

Here are their results.



How tall is Lauren's sunflower?


 cm

8a

1 mark

How much **taller** is Zak's sunflower than Jade's?


 cm

8b

1 mark

9

Here are four number cards.

45

55

67

32

Jade picks the two cards which have a difference of 22

Which cards does she pick?



and

9

1 mark

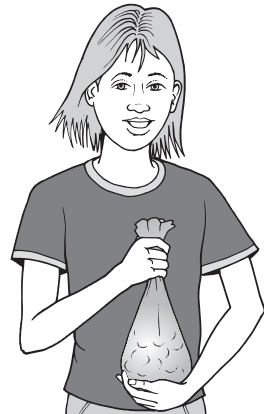
10

Lauren has some cherries.

She eats 2 of them.

Then she eats half of what is left.

She now has 6 cherries.



How many cherries did she start with?



10

1 mark

11

Here are some numbers.

1

2

3

4

5

Write one of the numbers in each box to make these correct.



$5 \times 6 = 10 \times$

$5 \times 6 < 10 \times$

11

1 mark

12

October has 31 days.

On October 24th, Zak says,

***'My birthday is exactly two weeks from now.'***

Write the date of Zak's birthday.

**November**

12

1 mark

13

Jade makes fruit salad.

For every **three** apples, she uses **one** banana.She uses **27** apples.

How many bananas does she use?

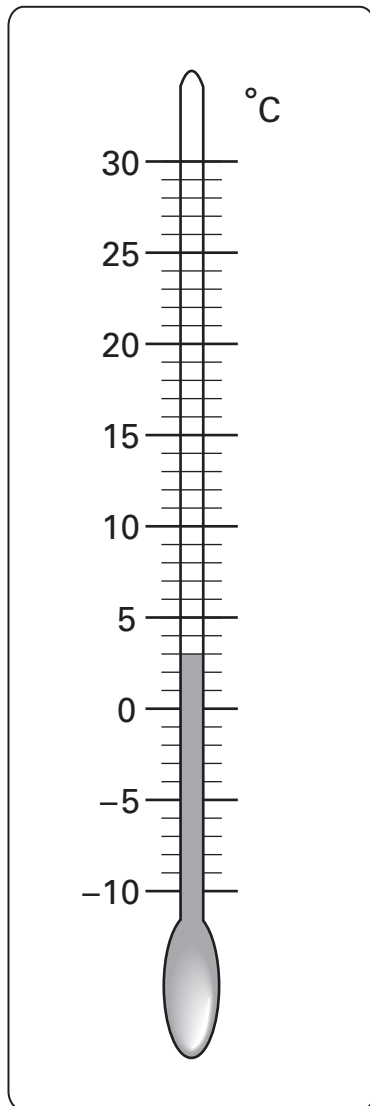


13

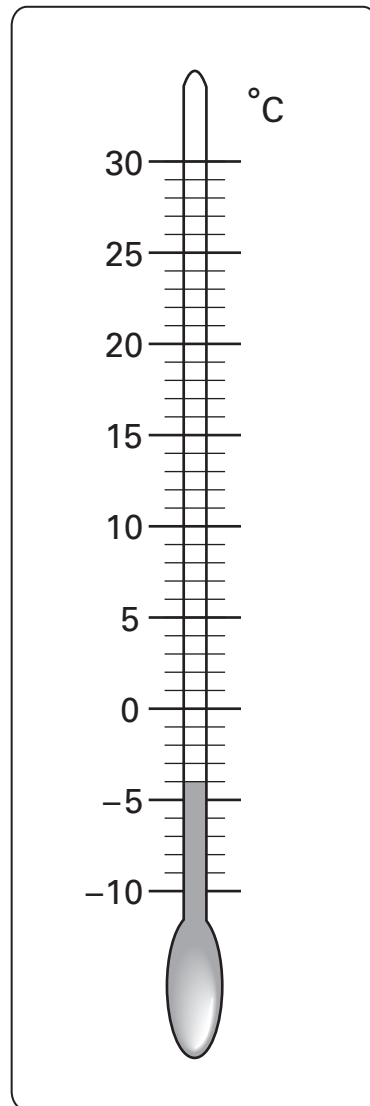
1 mark

14

These are the temperatures at noon and midnight on a day in winter.



noon



midnight

How many degrees higher is the temperature at noon than at midnight?

**degrees**

14

1 mark

15

Here is a number chart that goes up in fives.

5	10	15	20	25
30	35	40	45	50
55	60	65	70	75
80	85	90	95	100
105	110	115	120	125

The chart continues in the same way.

One of the numbers below will be at the **start** of a **row** on the chart.
Circle the number.



445 455 465 475 485

15a

1 mark

One of the numbers below will be at the **end** of a **row** on the chart.
Circle the number.



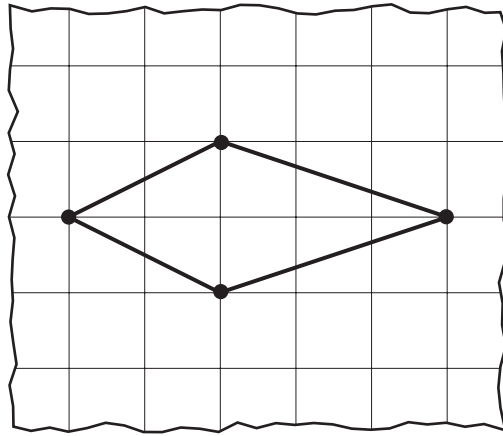
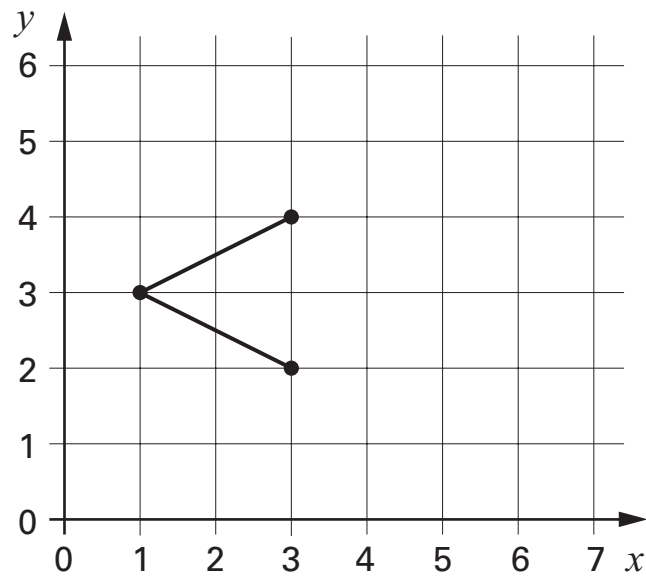
345 355 365 375 385

15b

1 mark

16

Zak draws this shape on a grid.

Lauren starts to draw an **identical** shape on the grid below.

Write the coordinates of the missing point.

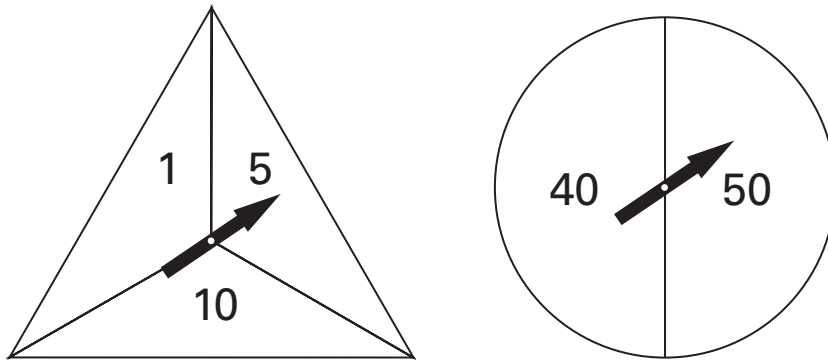


16

1 mark

17

Here are two spinners.



Both pointers are spun and the two scores are added together.

Write **all** the different possible totals.

17i

17ii

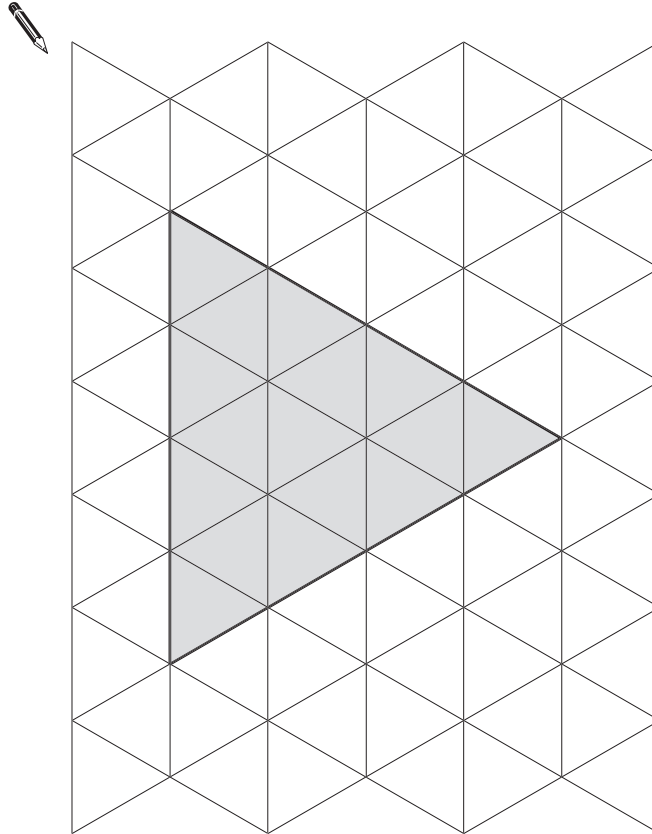
2 marks

18

Here is a grid of equilateral triangles.

Draw **all** the lines of symmetry on the shaded triangle.

Use a ruler.



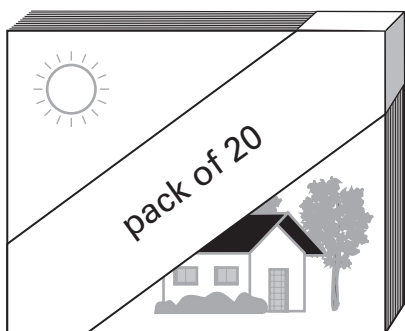
18

1 mark

19

A pack of 20 postcards costs £3.60

A single postcard costs 20p.



£3.60



20p

Zak buys **1 pack** of postcards.Jade buys **20 single** postcards.

Zak says to Jade,

'My postcards cost 40p less than yours!'

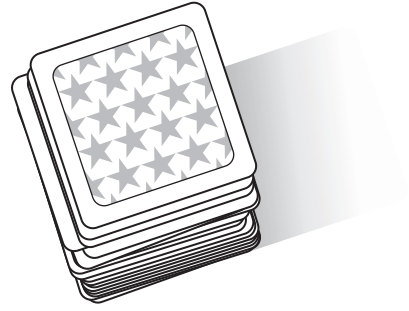
Is he correct?

Circle **Yes** or **No**.

Yes / No

Explain how you know.



20There are **64** picture cards in this pile.**Five** children each take the same number of cards.**24** cards are left over.

How many cards does each child take?

A large rectangular box intended for the student to show their working. In the top-left corner of the box, there is a small pencil icon. On the left side of the box, there is a speech bubble containing the text: "Show your **working**. You may get a mark." with an arrow pointing into the box. In the bottom-right corner of the box, there is a smaller, empty rectangular box for the final answer.

Show your **working**.
You may get a mark.

20i

20ii

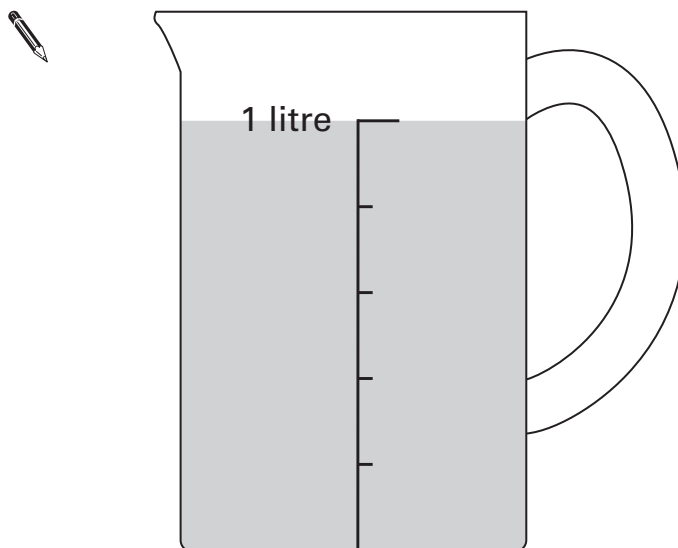
2 marks

21

This jug has 1 litre of water in it.

Lauren **pours out** 400 millilitres of water.

Draw an arrow (→) to show the new level of water in the jug.



21

1 mark

22

Write these numbers in order.

One has been done for you.

2.04

0.24

0.4

~~24~~

4



smallest

largest

22

1 mark

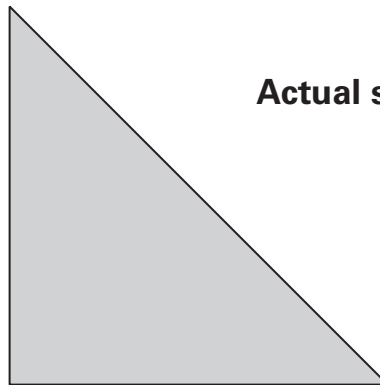
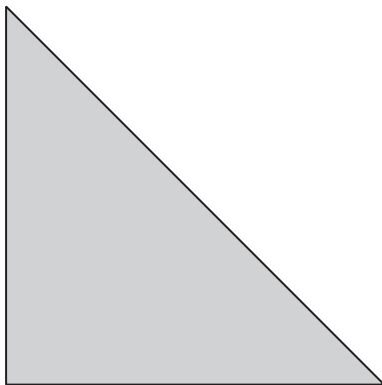
23Calculate 37×80 

23

1 mark

24

These two triangles are the same.

**Actual size**Jade fits them together to make a **square**.What is the total length around all the sides of the **square**?

24

1 mark

25

This table shows the number of visitors to a library during a week.

	morning	afternoon
Monday	72	95
Tuesday	55	81
Wednesday	closed	closed
Thursday	93	85
Friday	107	126
Saturday	223	295

How many days had a total of **more than 150** visitors?



25

1 mark

26This statement is **not true**.

*'A multiple of 10 added to a multiple of 10
always makes a multiple of 20'*

Give an example to show that this statement is **not true**.

26

1 mark

27

Write in the missing numbers.

One has been done for you.



$$\boxed{3} \longrightarrow \times 100 \longrightarrow \boxed{300}$$

$$\boxed{1\frac{1}{2}} \longrightarrow \times 100 \longrightarrow \boxed{}$$

$$\boxed{\frac{3}{4}} \longrightarrow \times 100 \longrightarrow \boxed{}$$

27

1 mark

28Tick (✓) the two cards that show the **same** weight.

1.5 kilograms

150 grams

15 kilograms

1 kilogram 50 grams

1500 grams

28

1 mark

29

Write in the missing number.



$$\div 4 = 25 \text{ remainder } 3$$

29

1 mark

