

MATHEMATICS

YEAR 3

TEST 3b

LEVELS
3–4

CALCULATOR NOT ALLOWED

Total marks

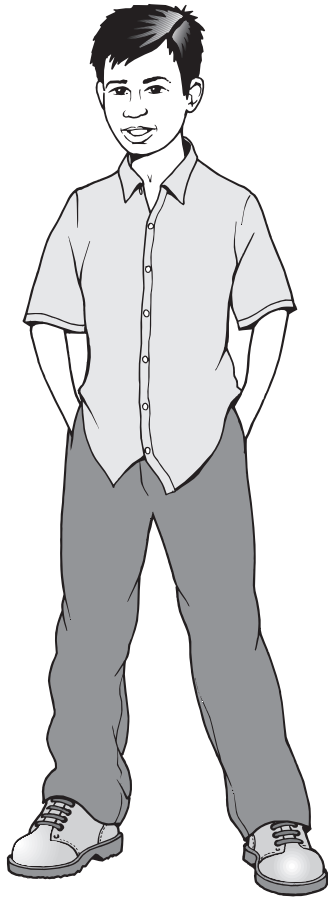


Name

Class

School

Date



Vijay



Dan



Sarah

Getting started



This shows you where you need to put each answer.

Some questions have an answer box like this:

Diagram illustrating an answer box layout. A large rectangular box is shown. To its left is a speech bubble containing the text "Show how you work it out." with an arrow pointing into the box. Above the top-left corner of the box is a pencil icon. Inside the box, towards the bottom right, is a smaller rectangular answer box with a pencil icon to its left.

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

Practice question

Calculate **17 + 12**



1

Calculate 14×4 

1

1 mark

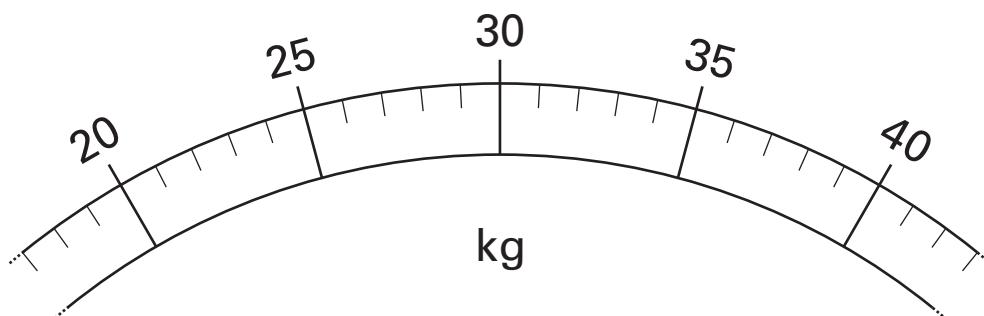
2



Vijay weighs 29 kilograms.

Sarah weighs 8 kilograms **more** than Vijay.

Draw an arrow (↑) on the scale to show how much **Sarah** weighs.



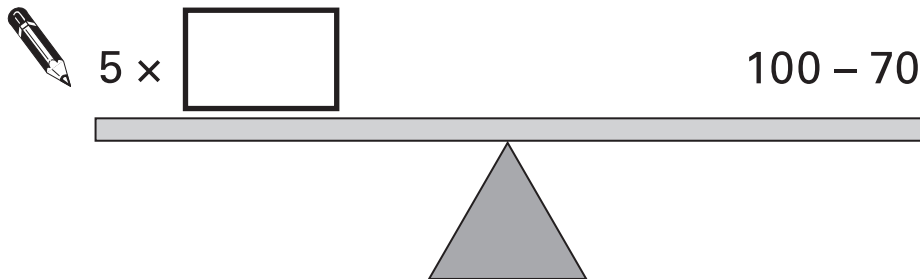
2

1 mark

3

Each side of the number balance has the same answer.

Write in the missing number.



3

1 mark

4

Circle **all** the numbers that are **multiples of four**.



8

24

5

30

12

4

1 mark

5

This chart shows the number of children at a school.

Write in the missing number on the chart.



Class	Boys	Girls	Total
A			28
B			31
C			29
D			

5a

1 mark

In which classes are there more boys than girls?



Class _____ and Class _____

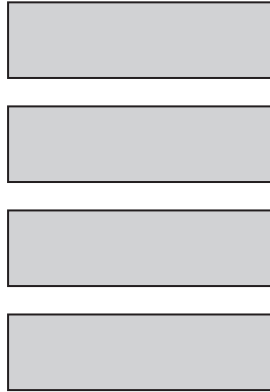
5b

1 mark

6

Dan is making a cuboid by fitting shapes together.

Here are four of the faces of the cuboid he is making.



Which other shapes does Dan need to complete his cuboid?
Tick (✓) them.



6

1 mark

7

Write in the missing digits.



	4
--	---

+

5	
---	--

=

1	0	0
---	---	---

7

1 mark

8

Five children share a bag of cherries.

Each child gets 6 cherries.

There are 3 cherries left over.



How many cherries were in the bag altogether?



--

8

1 mark

9

There are **21** children in Mr Bell's class.

The number of boys is **one more** than the number of girls.

How many boys and girls are there?



boys

and

girls

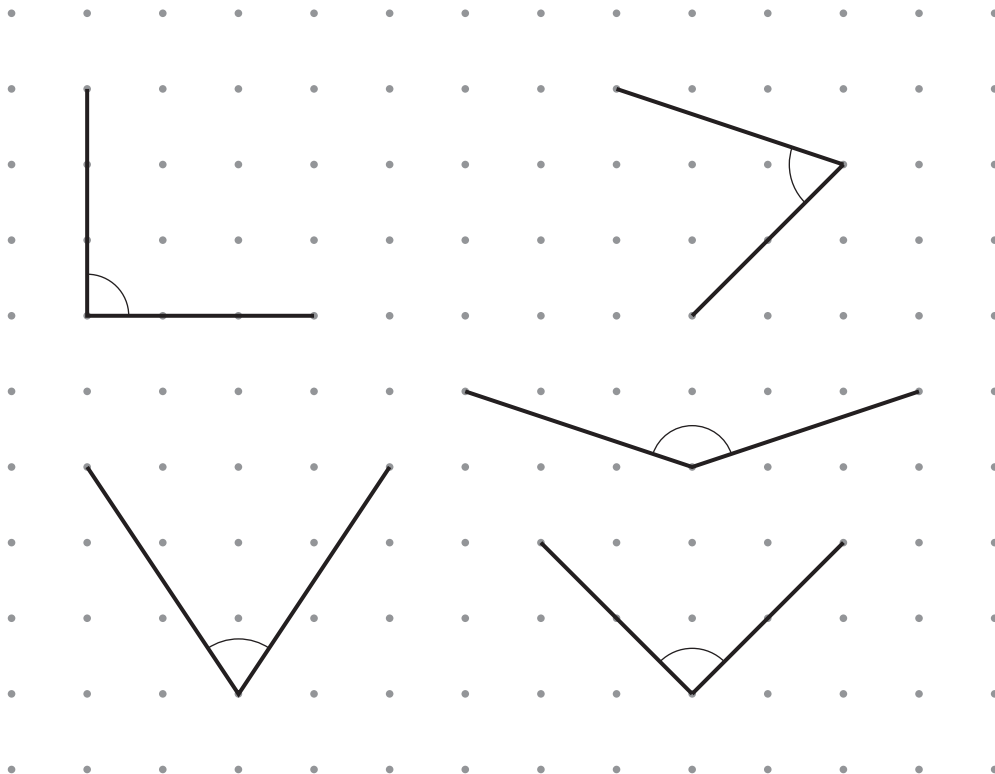
9

1 mark

10

Here are some angles.

Tick (✓) the **two** right angles.

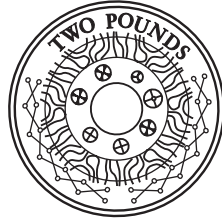


10

1 mark

11

Dan has these coins.



Vijay has £1.50

How much **more** money does Dan have than Vijay?



Show how
you work
it out.



£

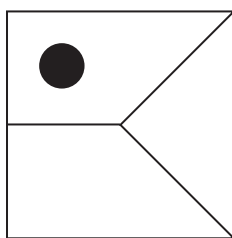
11i

11ii

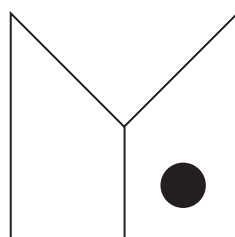
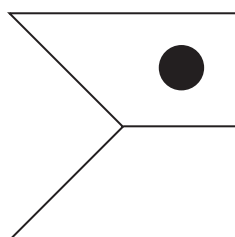
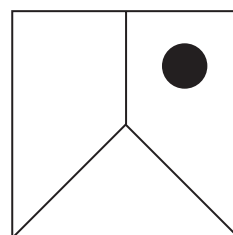
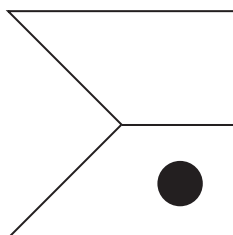
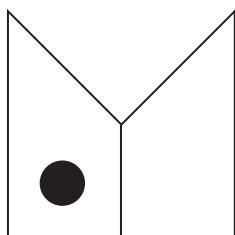
2 marks

12

Look at this shape.



Tick (✓) how it will look after **half a turn**.



12

1 mark

13

Tick (✓) the two divisions that have the **same** answer.



$$100 \div 10$$

$$10 \div 2$$

$$10 \div 5$$

$$20 \div 2$$

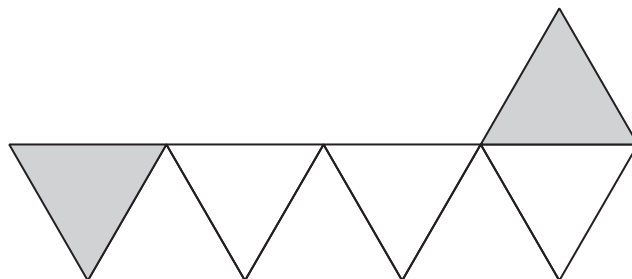
13

1 mark

14

Sarah wants to shade $\frac{3}{4}$ of this shape.

She has shaded **2** triangles.



How many **more** triangles must she shade so that $\frac{3}{4}$ is shaded?



14

1 mark

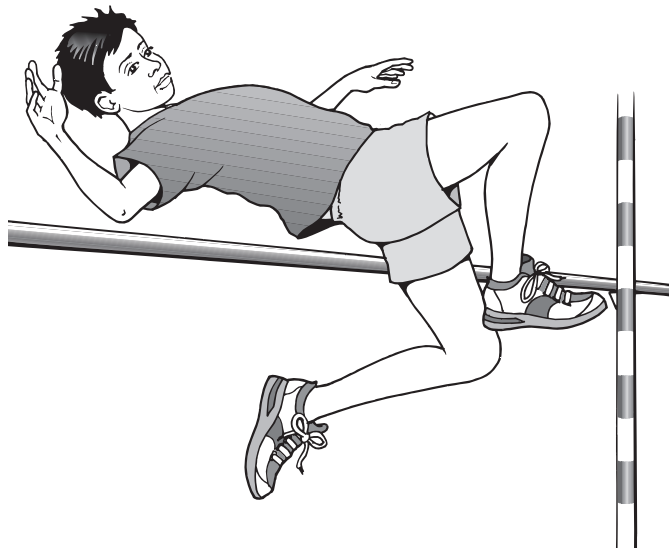
15

Calculate $237 - 78$ 

15

1 mark

16



In the high jump, Vijay jumped 96cm on his first try.

He jumped 1m 15cm on his second try.

How much higher did he jump on his second try?

 cm

16

1 mark

17

Write in the missing number.



$$222 = 100 + \boxed{} + 2$$

17

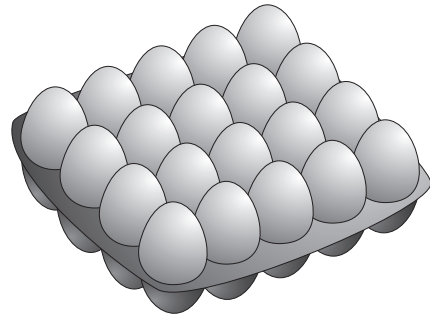
1 mark

18

A farmer has 157 eggs.

He stores them in trays.

Each tray holds 20 eggs.

How many trays does he need to store **all** the eggs?

Show how
you work
it out.



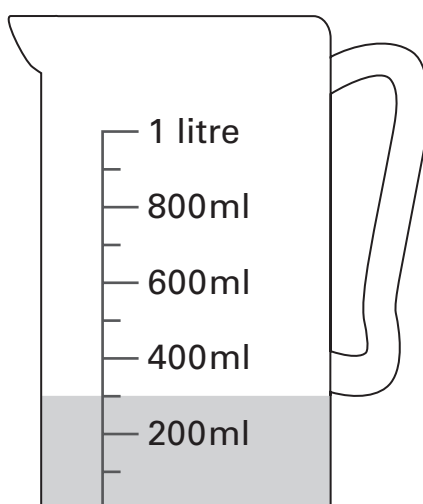
18i

18ii

2 marks

19

Vijay has a jug with some water in.



How many **more** millilitres must he add to make 1 litre?


 ml

19

1 mark

20

Write a **different** digit in each box to make these correct.



$$\begin{array}{|c|c|} \hline 3 & \square \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = \begin{array}{|c|c|} \hline \square & 8 \\ \hline \end{array}$$

20a

1 mark

$$\begin{array}{|c|c|} \hline 3 & \square \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = \begin{array}{|c|c|} \hline \square & 8 \\ \hline \end{array}$$

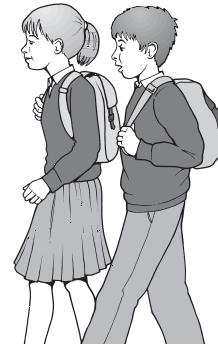
20b

1 mark

Sarah asked all the children in Year 3,

'Did you walk to school today?'

The diagram shows her results.



	boys	girls
walked	19	25
did not walk	27	23

Sarah says,

'More children walked than did not walk.'

Is she correct?
Circle **Yes** or **No**.



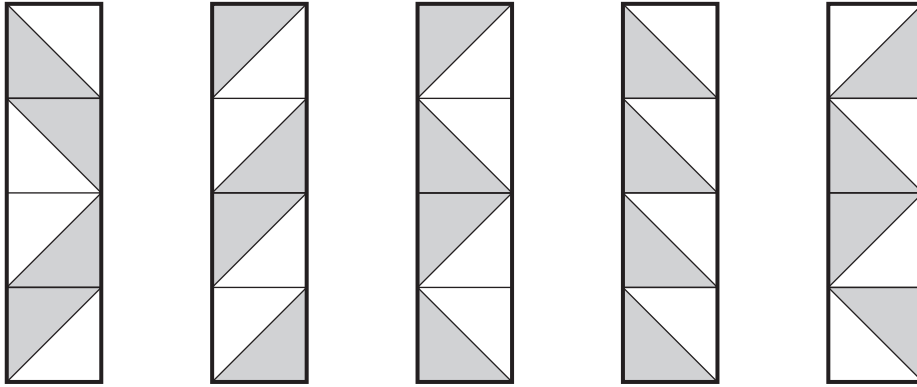
Yes / No

Explain how you know.



Here are five rectangles, each with a shaded pattern.

For each rectangle, put a tick (✓) if the pattern has a line of symmetry. Put a cross (✗) if it does not.


☐
☐
☐
☐
☐

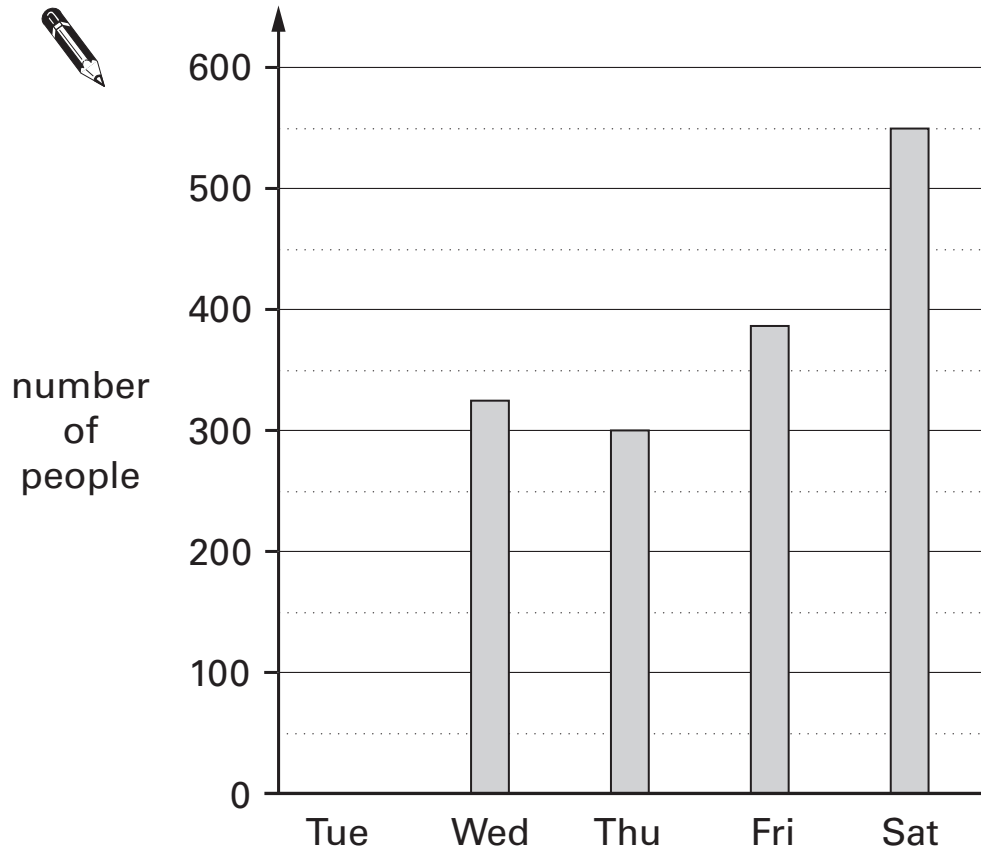
22i

22ii

2 marks

23

This graph shows the number of people visiting a shop.



275 people visited on Tuesday.

Draw the missing bar on the graph.

23a

1 mark

Estimate how many **more** people visited the shop on Saturday than Friday.



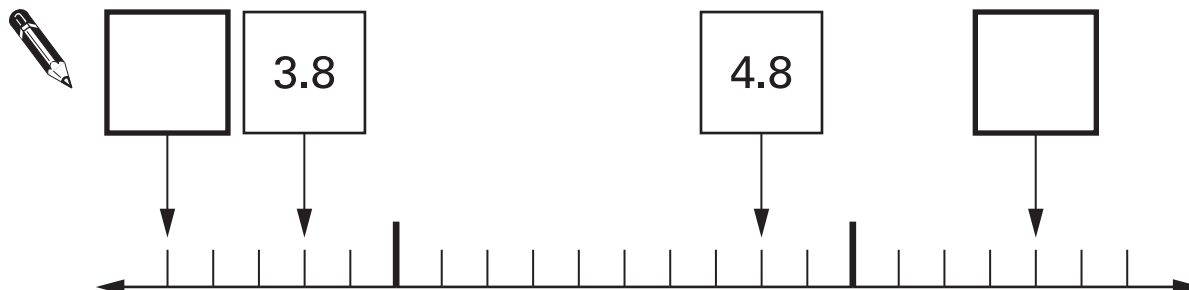
23b

1 mark

24

Here is part of a number line.

Write the missing numbers in the **two** empty boxes.



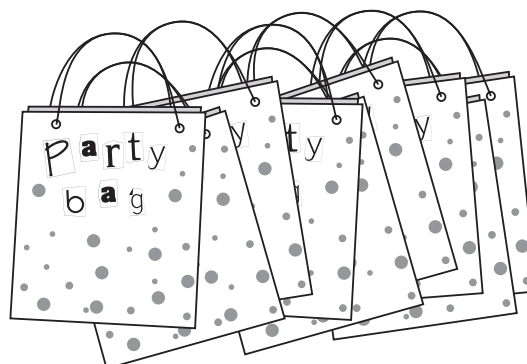
24

1 mark

25

Vijay buys 9 party bags.

Each bag costs 99p.



How much do they cost altogether?



25

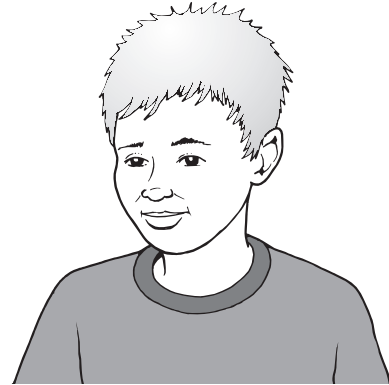
1 mark

'I choose a number.

I multiply it by 5

Then I subtract 7

My answer is 38'



What number did Dan choose?



Show how you work it out.



26i

26ii

2 marks

27

Sarah has a bag of 24 marbles.

$\frac{1}{3}$ of the marbles are red.

How many marbles are red?



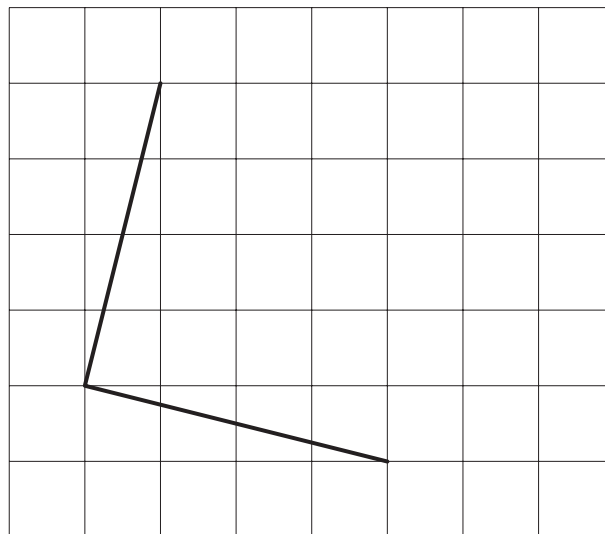
27

1 mark

28

Draw two more lines on this grid to make a square.

Use a ruler.



28

1 mark

END OF TEST

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