

# MATHEMATICS

YEAR 3

TEST 3a

LEVELS  
**2–3**

**CALCULATOR NOT ALLOWED**

Total marks

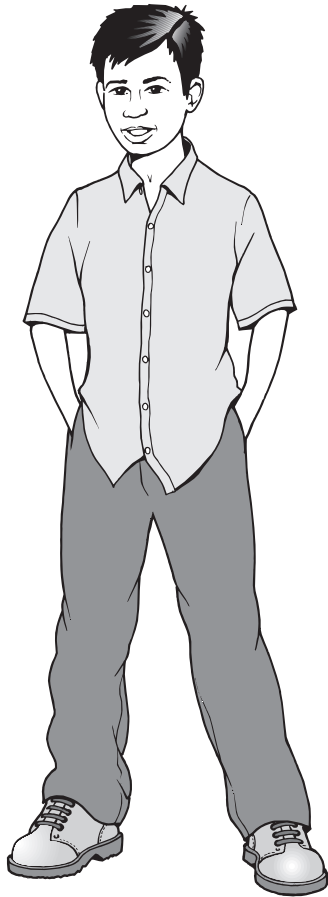


Name

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:

Show how you work it out.

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

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### Practice question

Calculate **17 + 12**



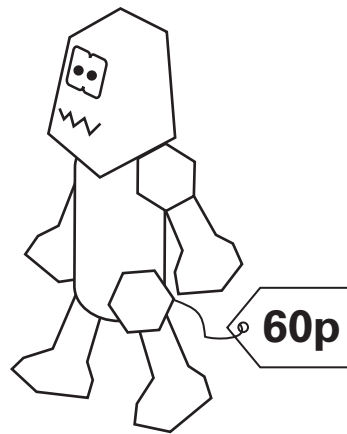
1

Calculate  $36 + 23$ 

1

1 mark

2

Dan buys a toy that costs **60p**.He pays the 60p with **three** coins.Circle **three** coins that he could use.

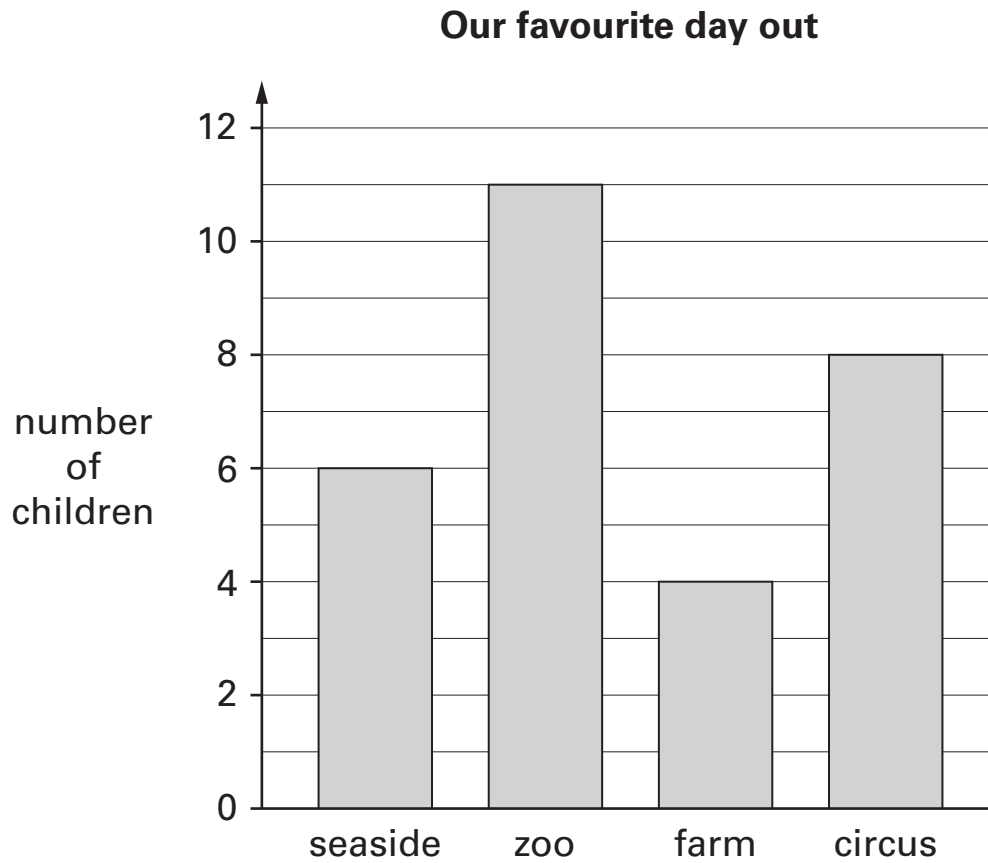
2

1 mark

3

The children in Vijay's class vote for their favourite day out.

Here are their results.



How many children vote for the zoo?

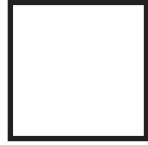


3

1 mark

4

Write in the missing number.



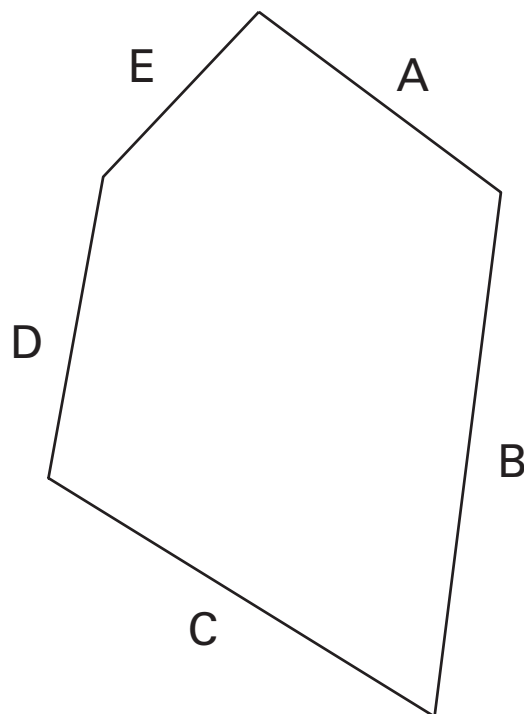
$$+ 3 = 63$$

4

1 mark

5

Here is a shape.

**Two** sides of the shape are the same length.

Use a ruler to find them.  
Write their letters.



\_\_\_\_\_ and \_\_\_\_\_

5

1 mark

6

Write these numbers in order.

108

91

121

89

98








smallest

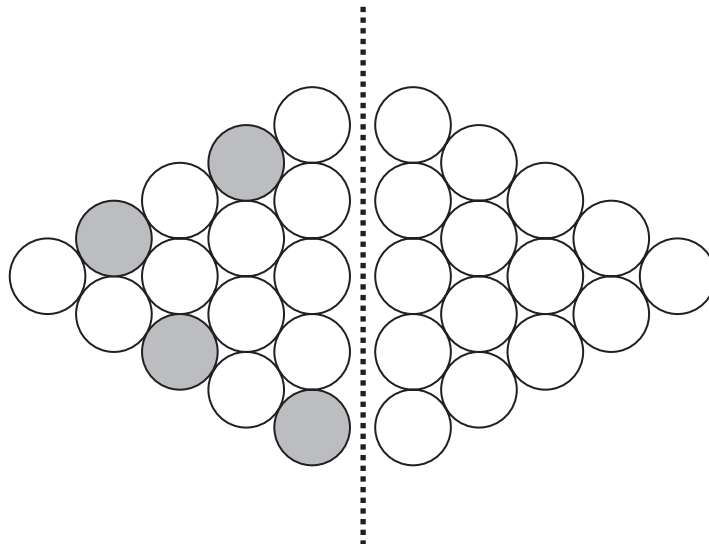
largest

1 mark

6

7

Complete the reflection of this pattern in the mirror line.




mirror line

1 mark

7

8

Write a number in each box to make this correct.



$$\square \times \square = 20$$

8

1 mark

9

Here is a diagram for rounding numbers to the **nearest 10**

Write these numbers in the correct boxes.

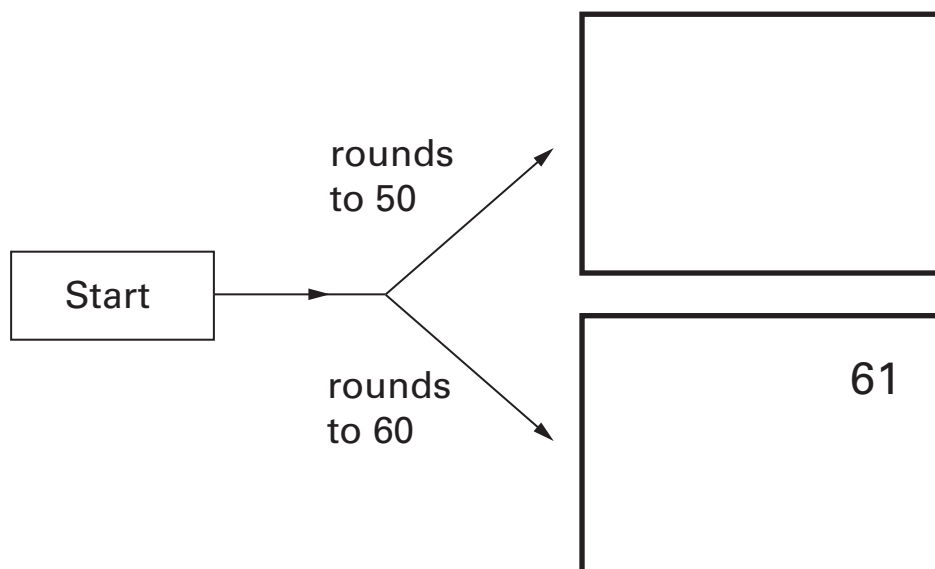
One has been done for you.

~~61~~

48

59

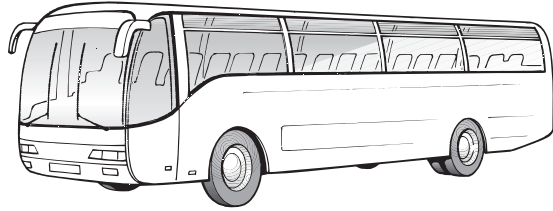
52



9

1 mark





**54** children get on a coach.

**23** of them are girls.

How many are boys?



10a

1 mark

The coach leaves school at this time.

**9 : 30**

It gets back to school **three hours** later.

At what time does it get back?

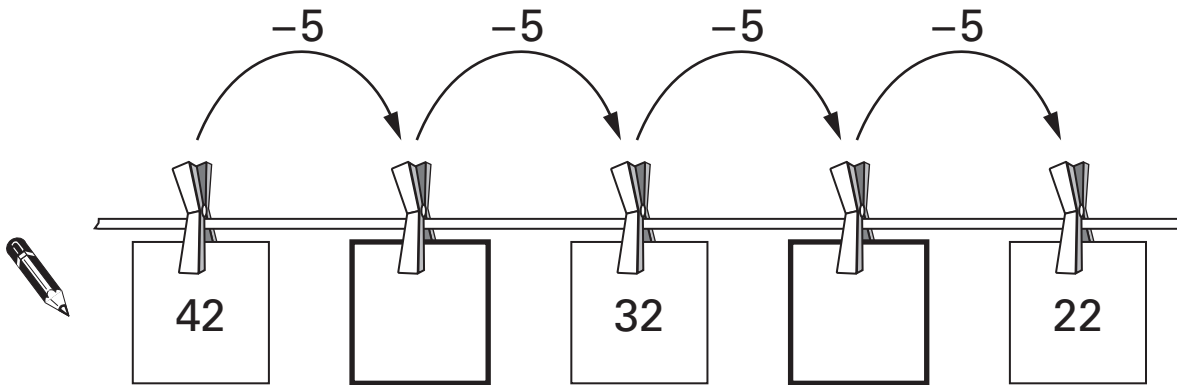


10b

1 mark

11

Write in the missing numbers.



11

1 mark

12

Dan's book has **42** pages.



Dan has read **about half** the number of pages.

About how many pages could this be?  
Circle the number.



10

20

30

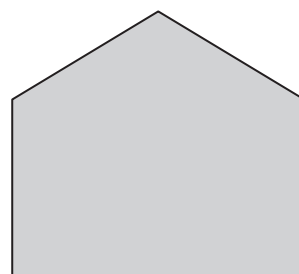
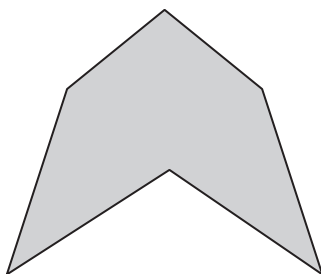
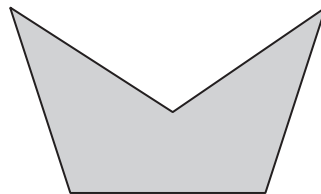
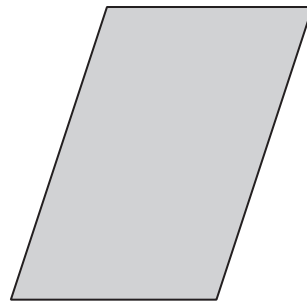
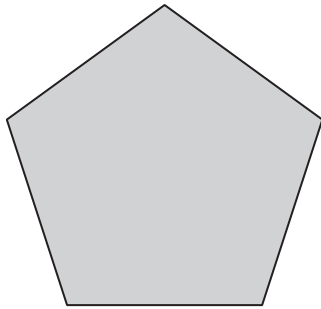
40

50

12

1 mark

13

Put a tick (✓) in each of the **pentagons**.

13

1 mark

14

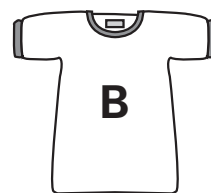
Vijay has these t-shirts and shorts.



red



yellow



blue



blue



red

He can choose which t-shirt and shorts to wear.  
Complete the table to show all the different ways.

One has been done for you.



t-shirt	shorts
<b>R</b>	<b>B</b>

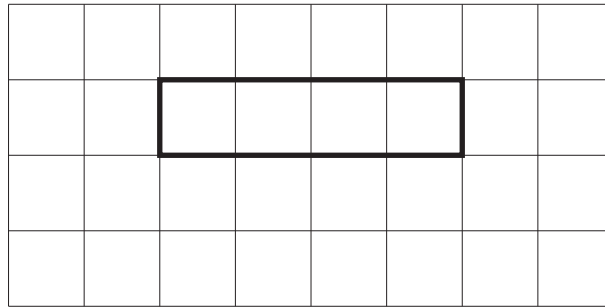
14i

14ii

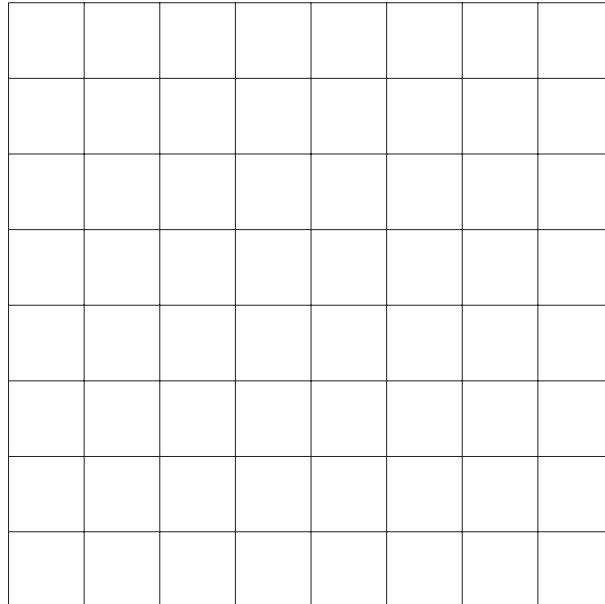
2 marks

15

This rectangle has **4** small squares inside.



Draw a rectangle that has **12** small squares inside.

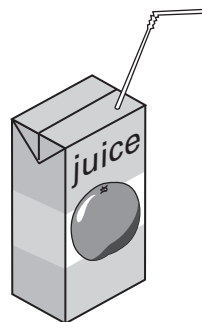


15

1 mark



35p



30p

Sarah has **90p**.

She buys a packet of sweets and a carton of juice.

How much money does **she have left**?



Show how  
you work  
it out.



p

16i

16ii

2 marks

17

Calculate  $14 \times 4$ 

17

1 mark

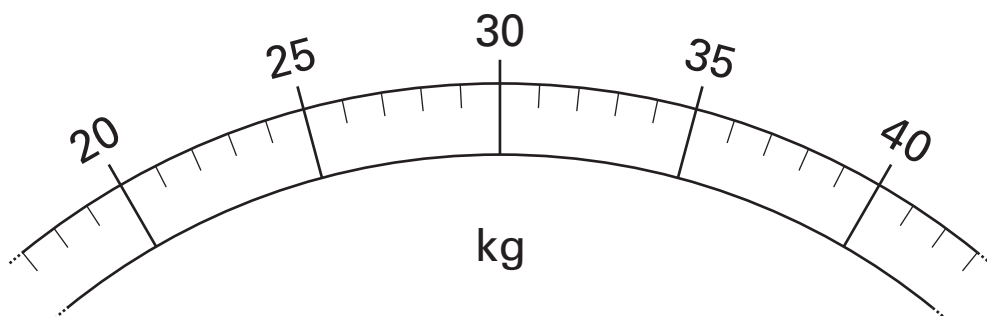
18



Vijay weighs 29 kilograms.

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

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



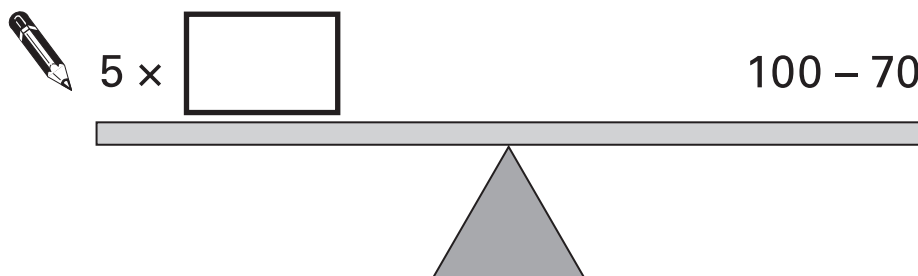
18

1 mark

19

Each side of the number balance has the same answer.

Write in the missing number.



19

1 mark

20

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



8

24

5

30

12

20

1 mark



21

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			

21a

1 mark

In which classes are there more boys than girls?



Class \_\_\_\_\_ and Class \_\_\_\_\_

21b

1 mark

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.



23

Write in the missing digits.



	4
--	---

+

5	
---	--

=

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

23

1 mark

24

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?



--

24

1 mark

25

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

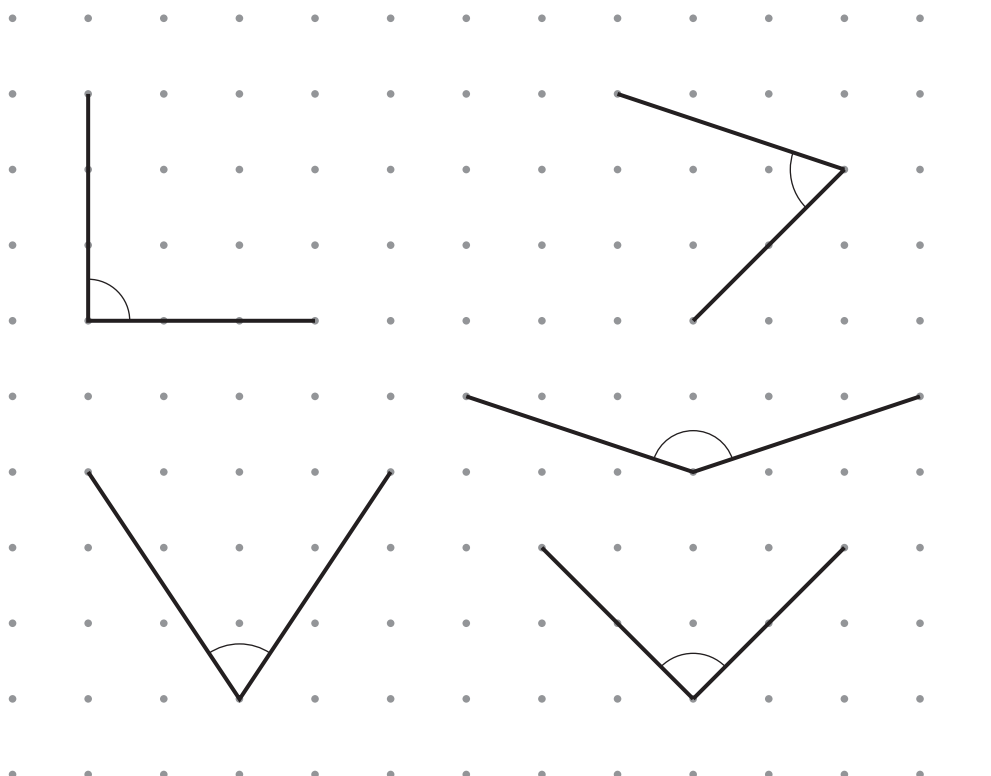
25

1 mark

26

Here are some angles.

Tick (✓) the **two** right angles.



26

1 mark

27

Dan has these coins.



Vijay has £1.50

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



Show how  
you work  
it out.



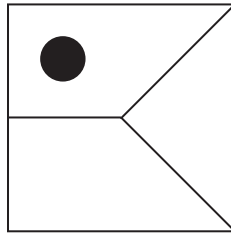
£

27i

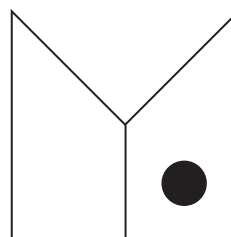
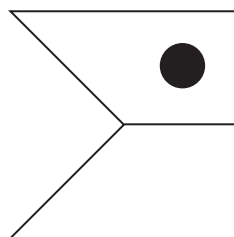
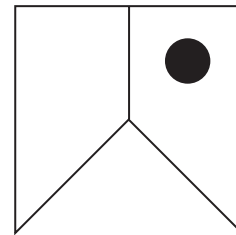
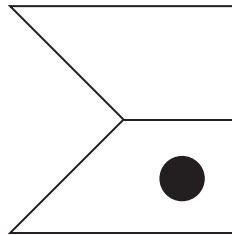
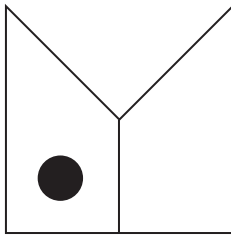
27ii

2 marks

Look at this shape.



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



29

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



$$100 \div 10$$

$$10 \div 2$$

$$10 \div 5$$

$$20 \div 2$$

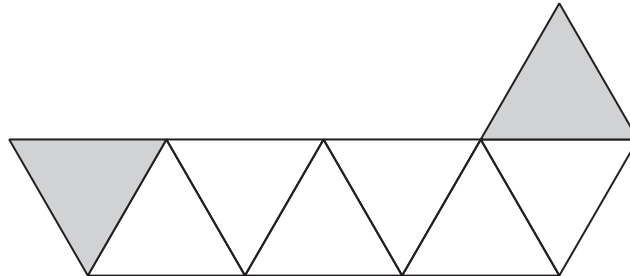
29

1 mark

30

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?




30

1 mark

