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.

Practice question

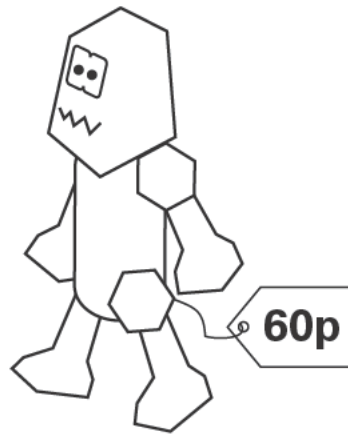Calculate **17 + 12**

1 Calculate **36 + 23**

1

1 mark

2 Dan buys a toy that costs **60p**.

He pays the 60p with **three** coins.

60p

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.

Our favourite day out

number of children

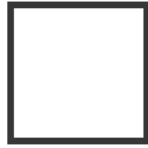How many children vote for the zoo?

3

1 mark

Total out of 3
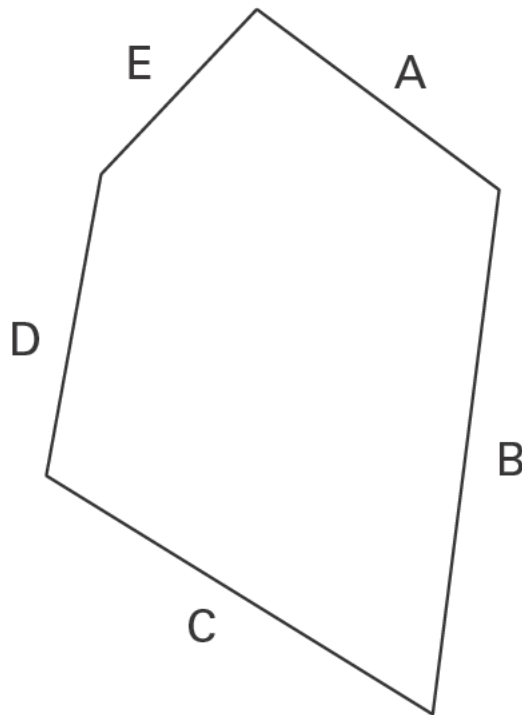
4 Write in the missing number.

 ☐ + 3 = 63

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 _____

1 mark

6 Write these numbers in order.
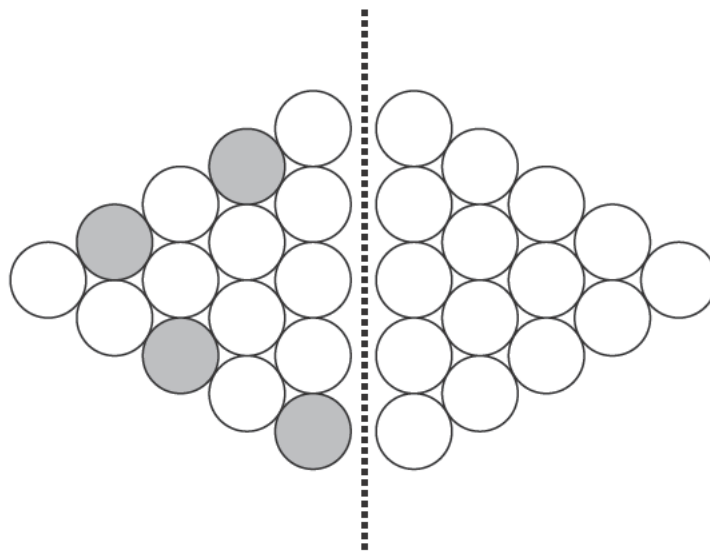
108   91   121   89   98

smallest   largest

6

1 mark

7 Complete the reflection of this pattern in the mirror line.

mirror line

7

1 mark

Total out of 4

8 Write a number in each box to make this correct.

$$\boxed{} \times \boxed{} = 20$$

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.
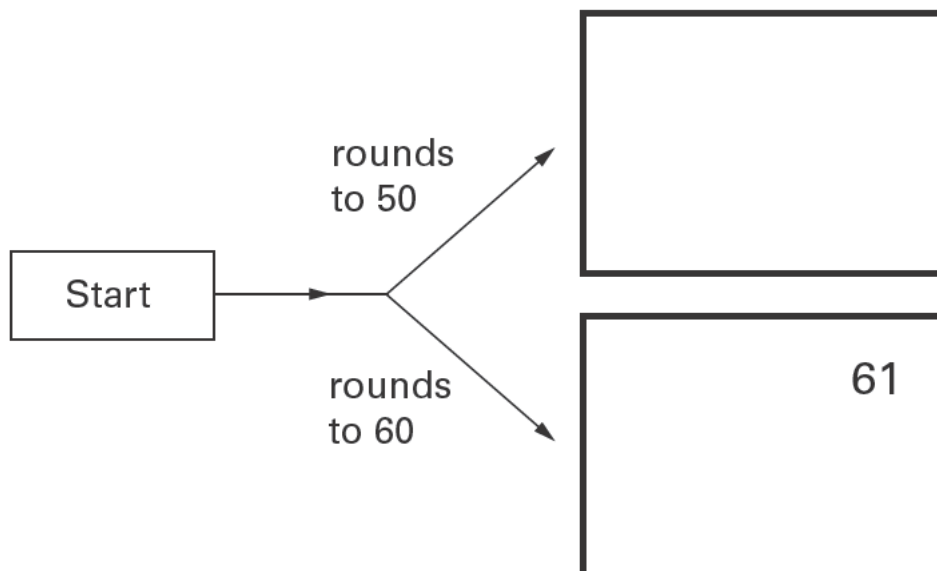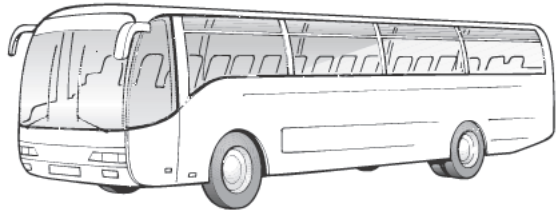
~~61~~   48   59   52

rounds
to 50

rounds
to 60

Start

61

1 mark

10

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.
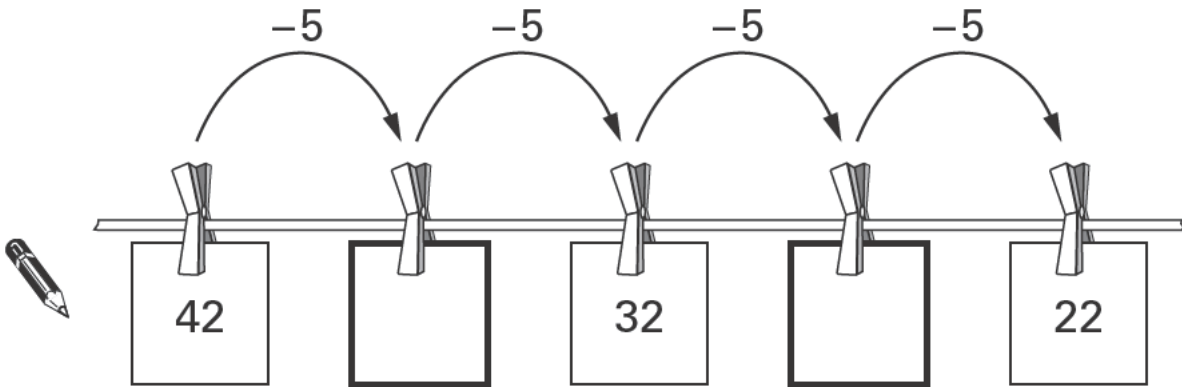
At what time does it get back?

:

10b

1 mark

11 Write in the missing numbers.

−5   −5   −5   −5

| 42 | | 32 | | 22 |

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?
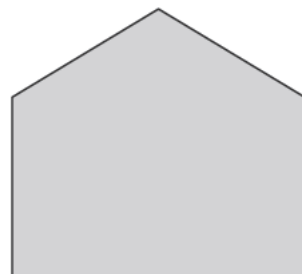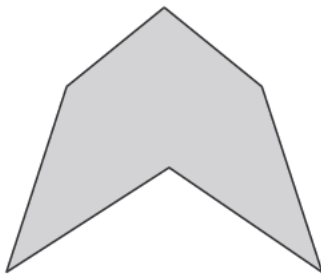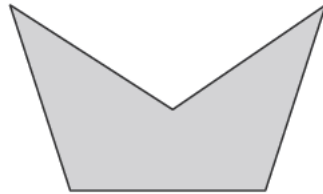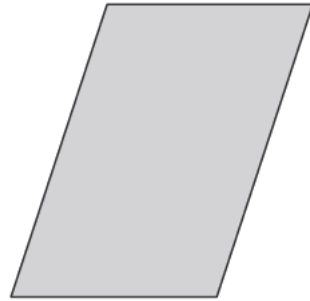Circle the number.

10   20   30   40   50

1 mark

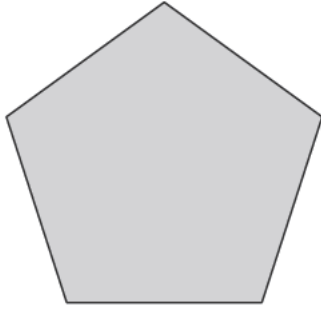**13** Put a tick (✓) in each of the **pentagons**.

13

1 mark

Total out of 3 _____

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.
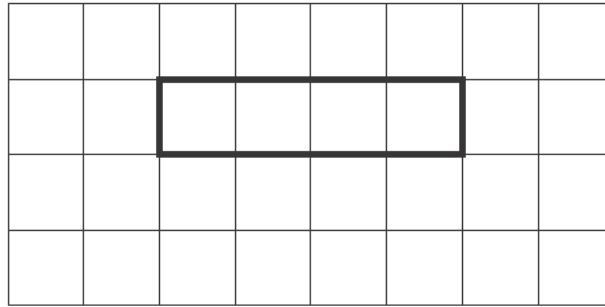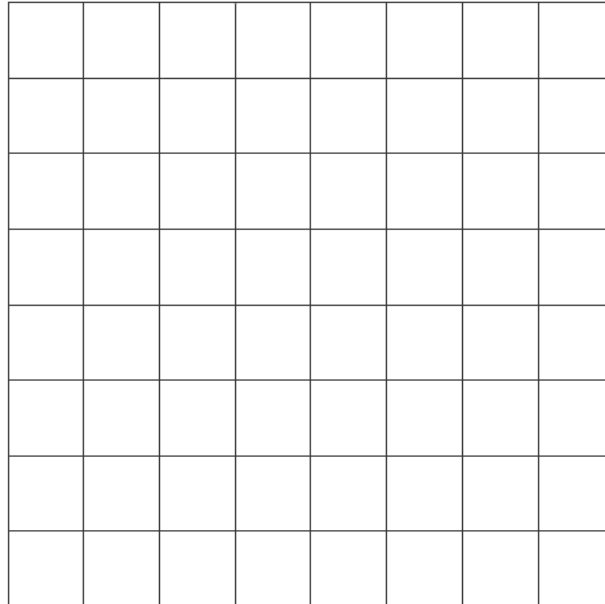
One has been done for you.

t-shirt	shorts
R	B

14i

14ii

2 marks

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

Draw a rectangle that has **12** small squares inside.
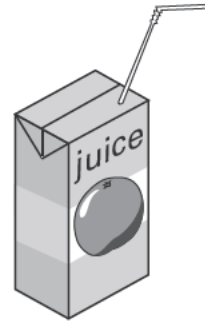
15

1 mark

Total out of 3 _____

16

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.
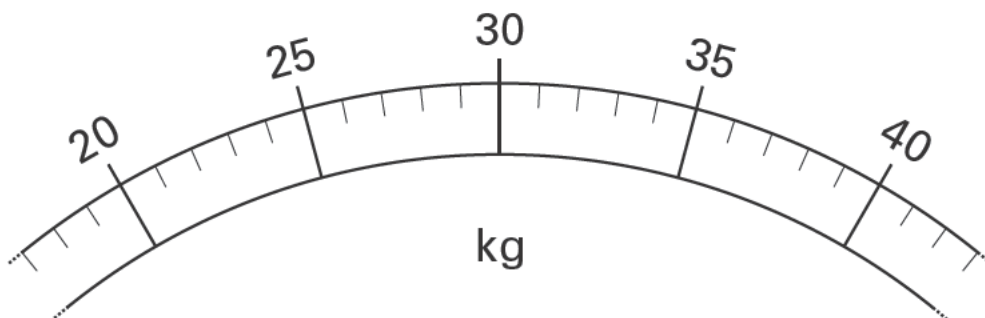
	p

17 Calculate **14 × 4**

18

Vijay weighs 29 kilograms.

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

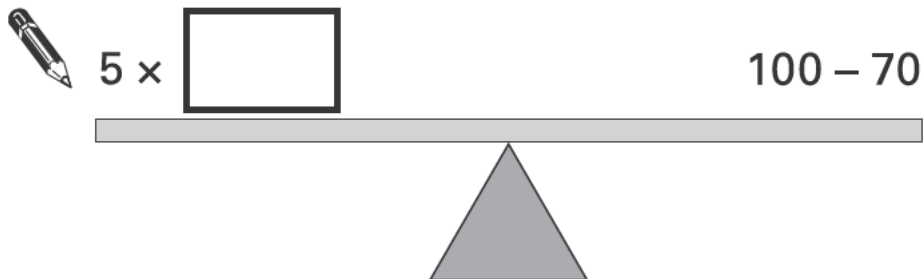Draw an arrow (↥) on the scale to show how much **Sarah** weighs.

25
30
35
20
40
kg

Total out of 4

19 Each side of the number balance has the same answer.

Write in the missing number.

$5 \times \boxed{}$ $100 - 70$

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

8   24   5   30   12

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	‖‖ ‖‖ ‖‖	‖‖ ‖‖ ‖	

In which classes are there more boys than girls?

Class _____ and Class _____

Total out of 4 _____

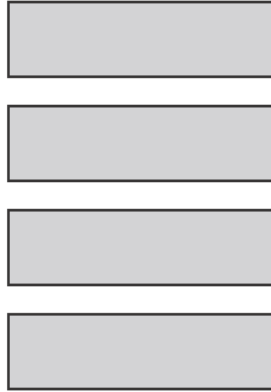**22** Dan is making a cuboid by fitting shapes together.

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

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

22

1 mark

23 Write in the missing digits.

$$\boxed{}\boxed{4} + \boxed{5}\boxed{} = \boxed{1}\boxed{0}\boxed{0}$$

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?

$$\boxed{}$$

1 mark

Total out of 3 _____

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

The number of boys is **one more** than the number of girls.
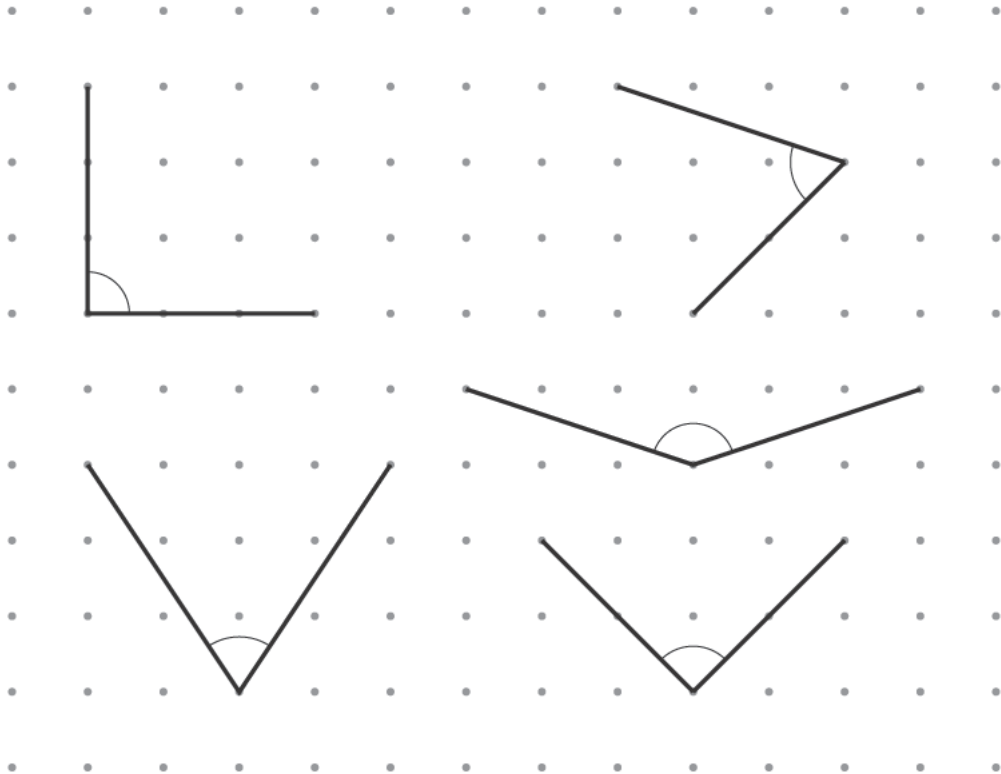
How many boys and girls are there?

| boys | and | girls |

26 Here are some angles.

Tick (✓) the **two** right angles.

27 Dan has these coins.
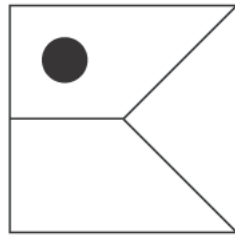
Vijay has £1.50

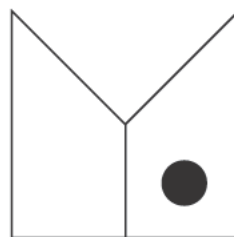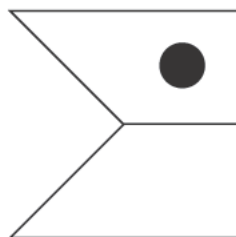How much **more** money does Dan have than Vijay?
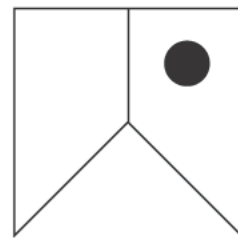
Show how you work it out.
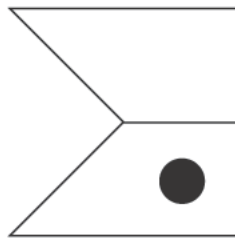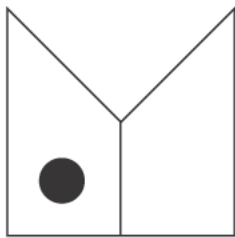
£ [ ]

27i

27ii

2 marks

Total out of 4 _____

28 Look at this shape.

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

28

1 mark

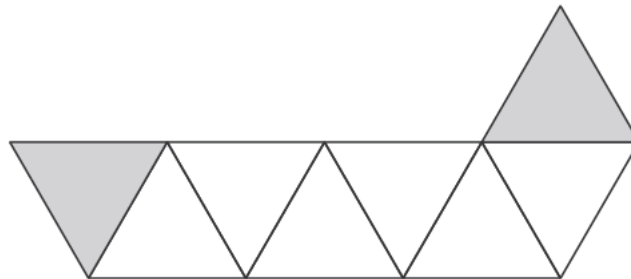**29** Tick (✔) the two divisions that have the **same** answer.

100 ÷ 10		10 ÷ 2

10 ÷ 5		20 ÷ 2

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?

Sourced from SATs-Papers.co.uk https://www.SATs-Papers.co.uk