

MATHEMATICS

YEAR 3

TEST 3a

LEVELS
2–3

CALCULATOR NOT ALLOWED

Total marks

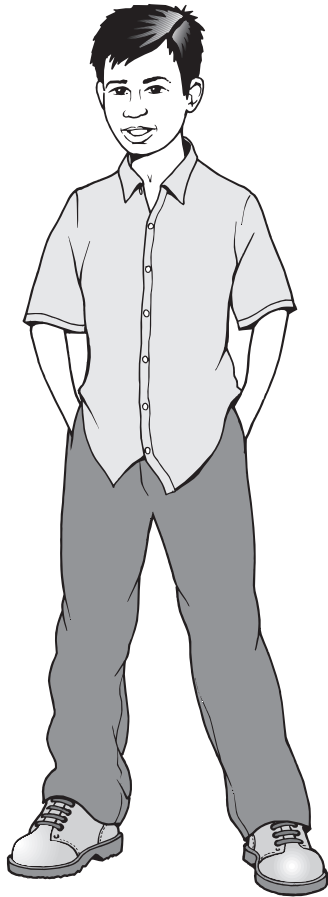


Name

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:

A large rectangular box for working. On the left side, there is a circular callout with the text "Show how you work it out." and an arrow pointing into the box. A small pencil icon is positioned at the top left corner of the box. In the bottom right corner of the large box, there is a smaller rectangular box for the answer, with a pencil icon to its left.

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

Practice question

Calculate **17 + 12**

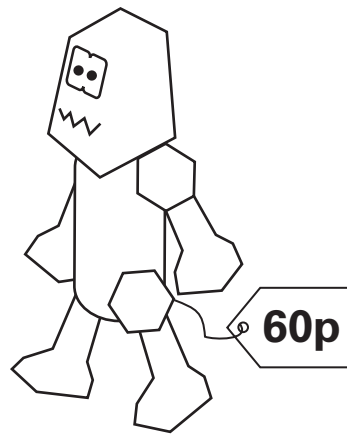


A rectangular box for the answer.

1Calculate **36 + 23**

1

1 mark

2Dan buys a toy that costs **60p**.He pays the 60p with **three** coins.Circle **three** coins that he could use.

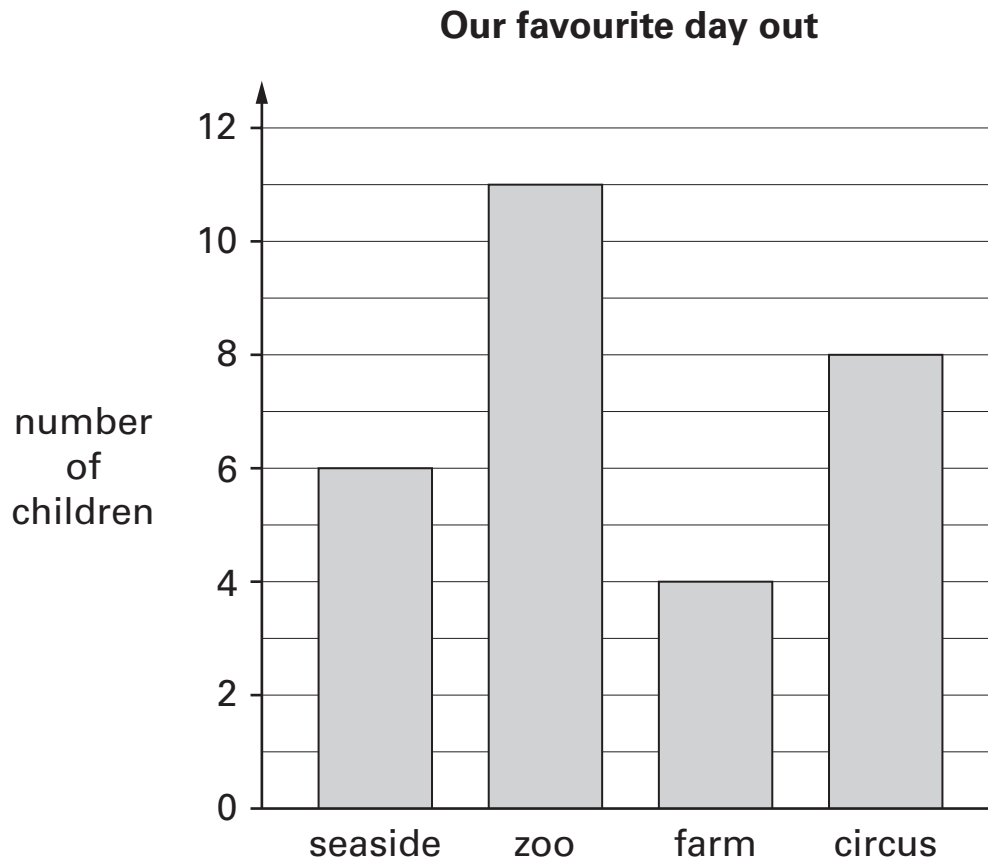
2

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?

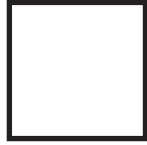


3

1 mark

4

Write in the missing number.



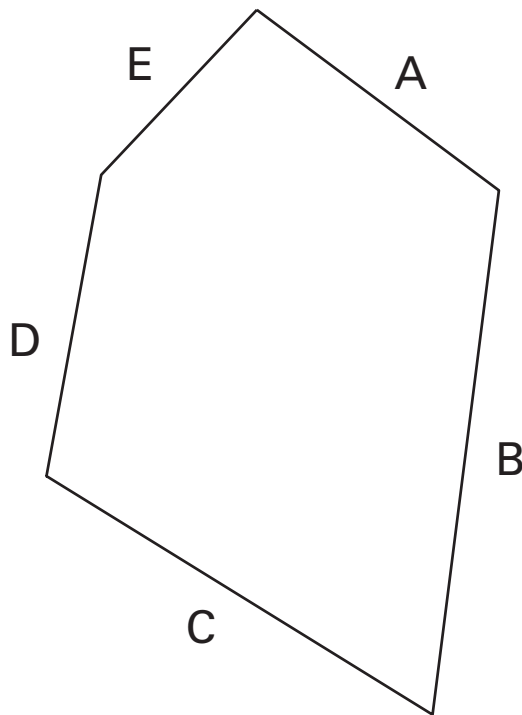
$$+ 3 = 63$$

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

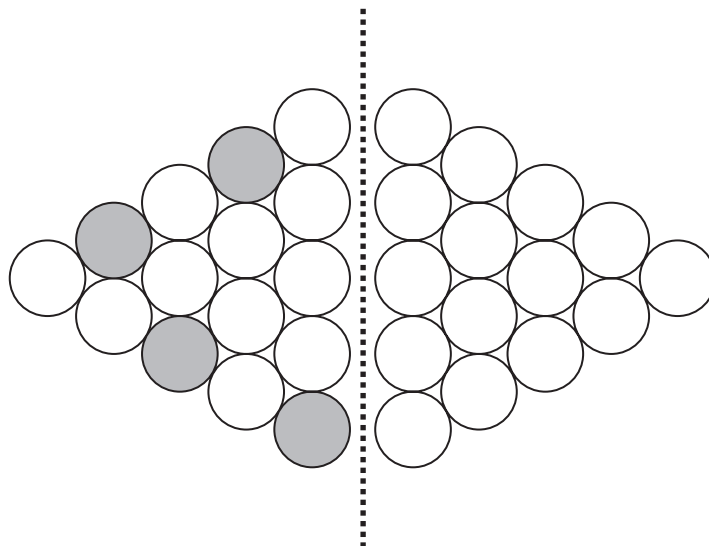
largest

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.

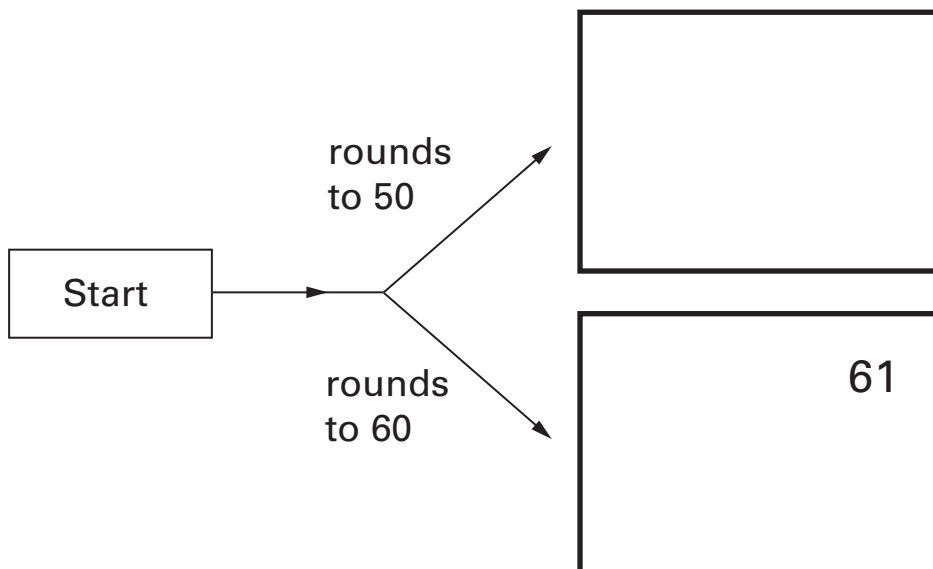
One has been done for you.

~~61~~

48

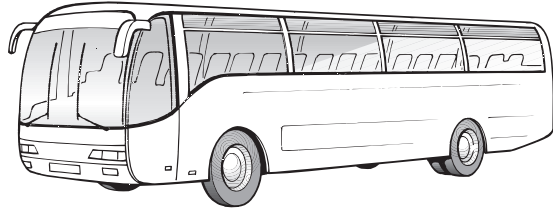
59

52



9

1 mark

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?

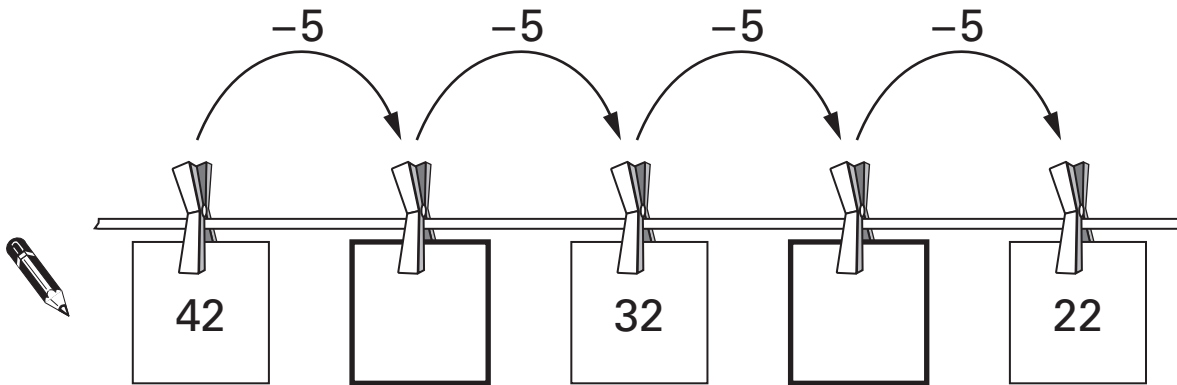


10b

1 mark

11

Write in the missing numbers.



11

1 mark

12Dan'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

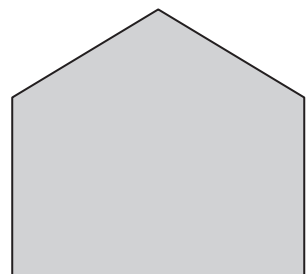
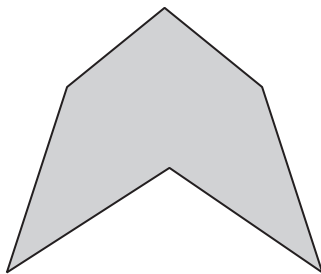
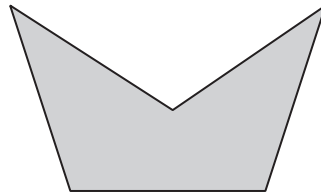
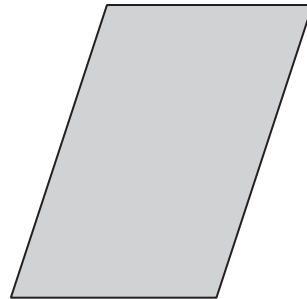
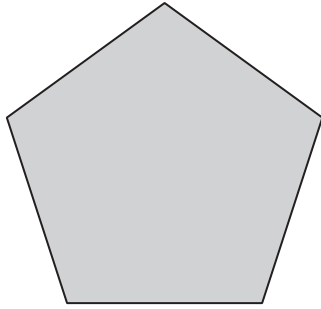
30

40

50

12

1 mark

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

13

1 mark

14

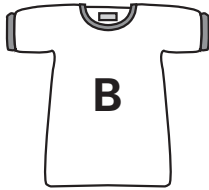
Vijay has these t-shirts and shorts.



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
R	B

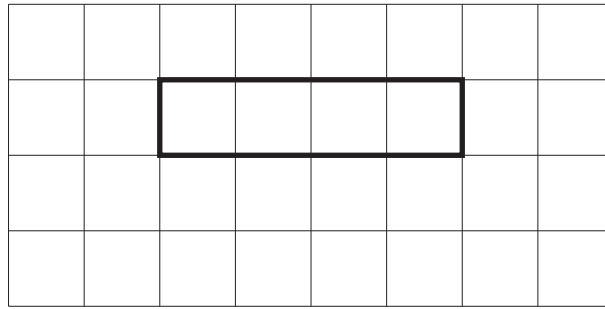
14i

14ii

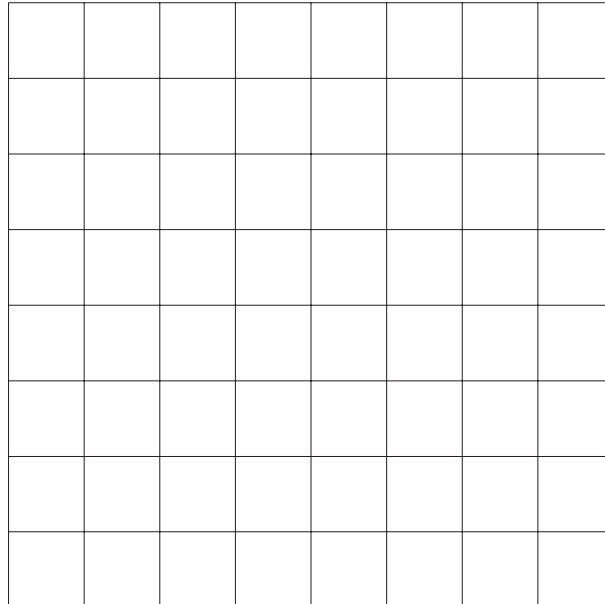
2 marks

15

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



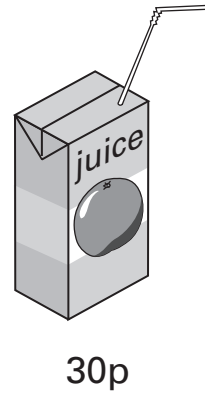
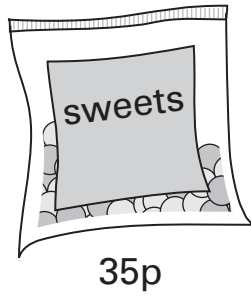
Draw a rectangle that has **12** small squares inside.



15

1 mark

16



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

17Calculate 14×4 

17

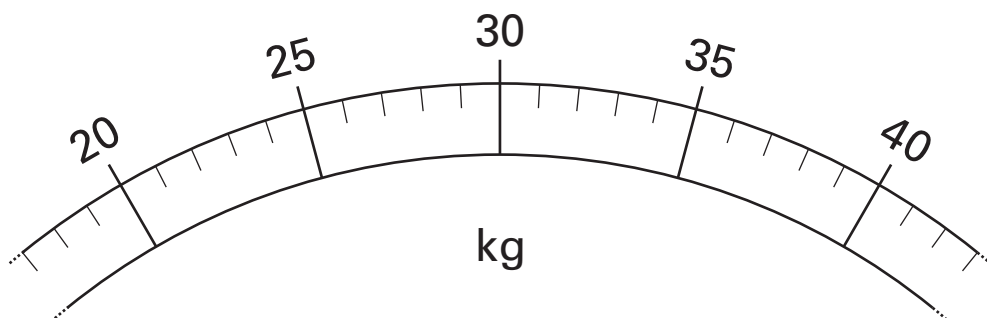
1 mark

18

Vijay weighs 29 kilograms.

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

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



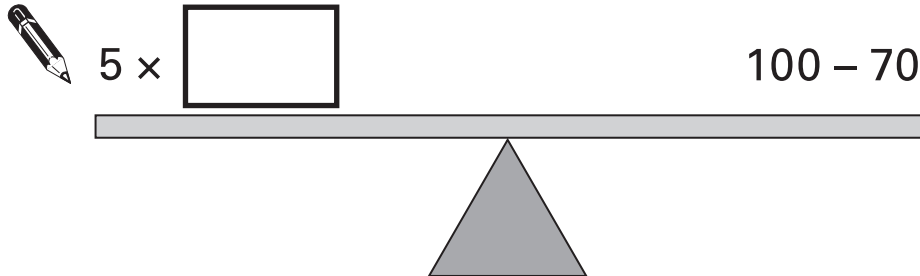
18

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 _____

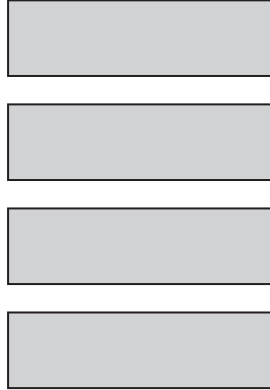
21b

1 mark

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.



	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

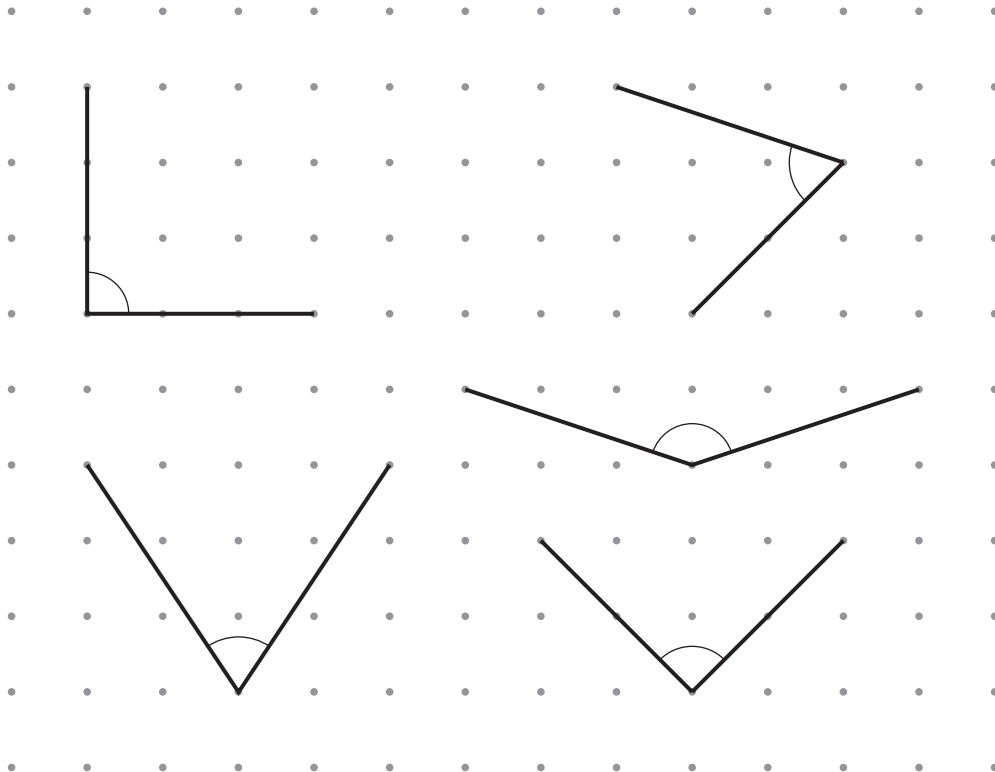
25

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.



£

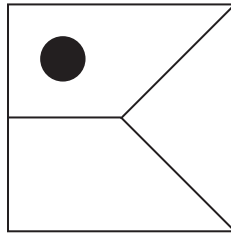
27i

27ii

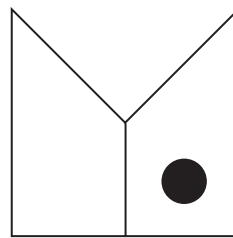
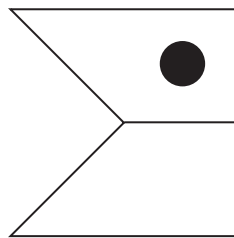
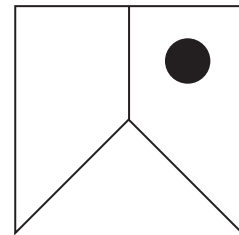
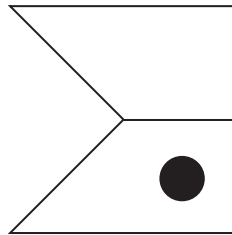
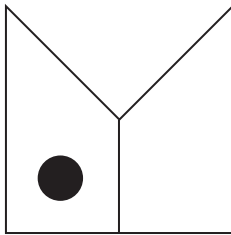
2 marks

28

Look at this shape.



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



28

1 mark

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

$$100 \div 10$$

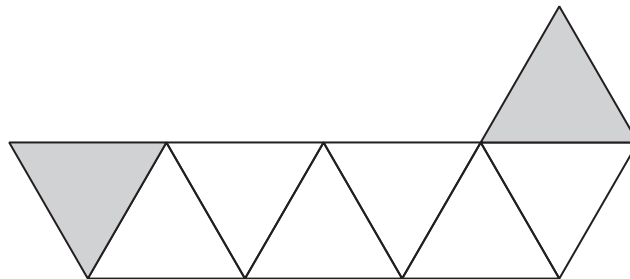
$$10 \div 2$$

$$10 \div 5$$

$$20 \div 2$$

29

1 mark

30Sarah 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

