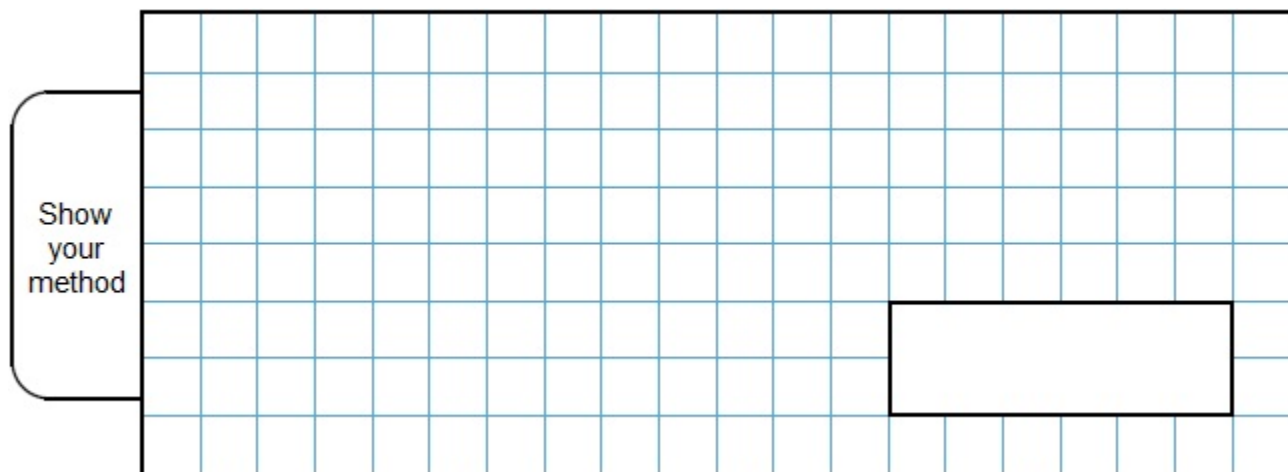**1.** There are 432 places at a dance school.

There are two age groups.

This table shows the number of classes and the number of pupils in each class for each age group at the moment.

Age in years	Number of classes	Number of pupils in each class
7–12	15	16
13–18	10	18

How many **more** pupils can join the dance school?

Show your method

2 marks

2. This table shows the areas of the United Kingdom and Jamaica.

Country	Area (square kilometres)
United Kingdom	240,000
Jamaica	10,000

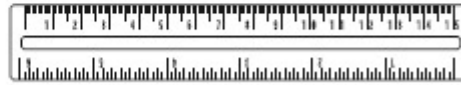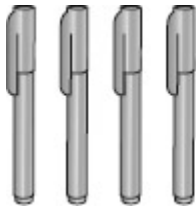The area of the United Kingdom is larger than the area of Jamaica.

How many times larger is the United Kingdom?
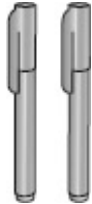
times larger

1 mark

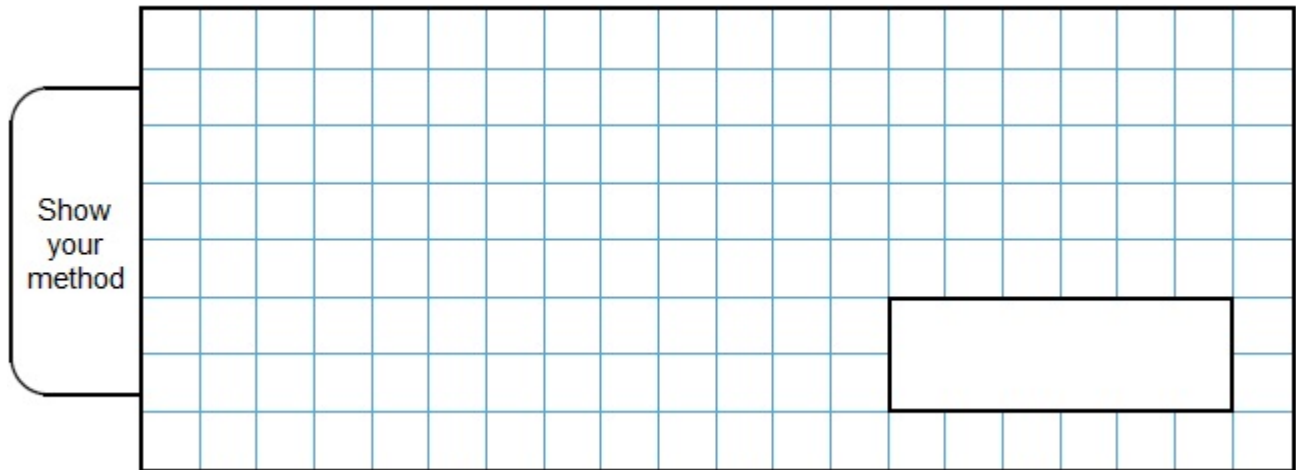**3.** Adam buys 4 pens and a ruler and pays £4.75 altogether.

Jack buys 2 pens and pays £1.98 altogether.

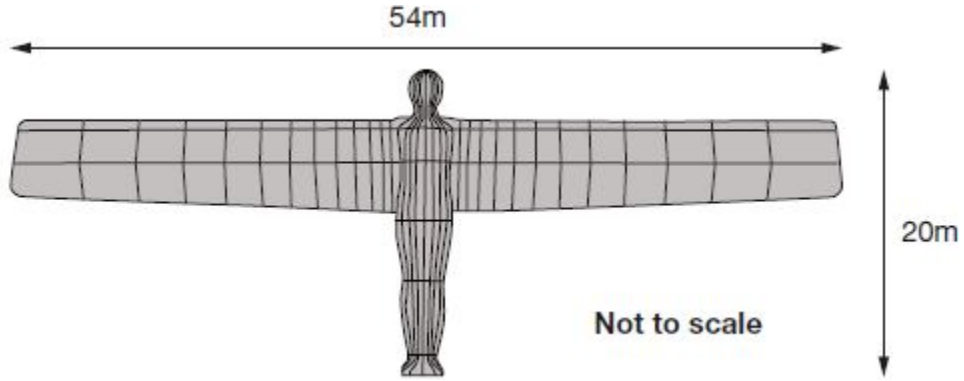How much does a **ruler** cost?

Show your method

2 marks

4. Write the missing fraction to make this **addition** correct.

$$\frac{2}{3} + \boxed{} = \frac{5}{6}$$

1 mark

5.

The Angel of the North is a large statue in England.

It is 20 metres tall and 54 metres wide.

54m

20m

Not to scale

Ally makes a scale model of the Angel of the North.

Her model is 40 centimetres tall.

How **wide** is her model?

cm

1 mark

6.

Complete each sentence using a number **from the list below**.

120   240   600   1,440   3,600   6,000

There are [   ] seconds in an hour.

1 mark

There are [   ] minutes in a day.

1 mark

7. A box contains 2.6 kg of washing powder.

washing
powder

2.6 kg

Jack uses 65 grams of powder for each wash.

He uses all the powder.

How many washes did Jack do?

Show
your
method

| washes |

2 marks

8. An iced cake costs 10p more than a plain cake.

Sarah bought two of each cake.

They cost £1 altogether.

What is the cost of an **iced** cake?

Show your method

| | | p |

2 marks

9. Write the three missing digits to make this **addition** correct.

5	3	2		9
+		7	4	2	

| | 0 | 6 | 7 | 6 |

2 marks

10.

Amy did a survey of what time people get up on a Sunday morning.
This table shows her results for 150 people.

Time	number of people
before 7 am	13
7:00 am to 7:59 am	28
8:00 am to 8:59 am	59
9:00 am to 9:59 am	36
10 am and after	14

Look at the table.

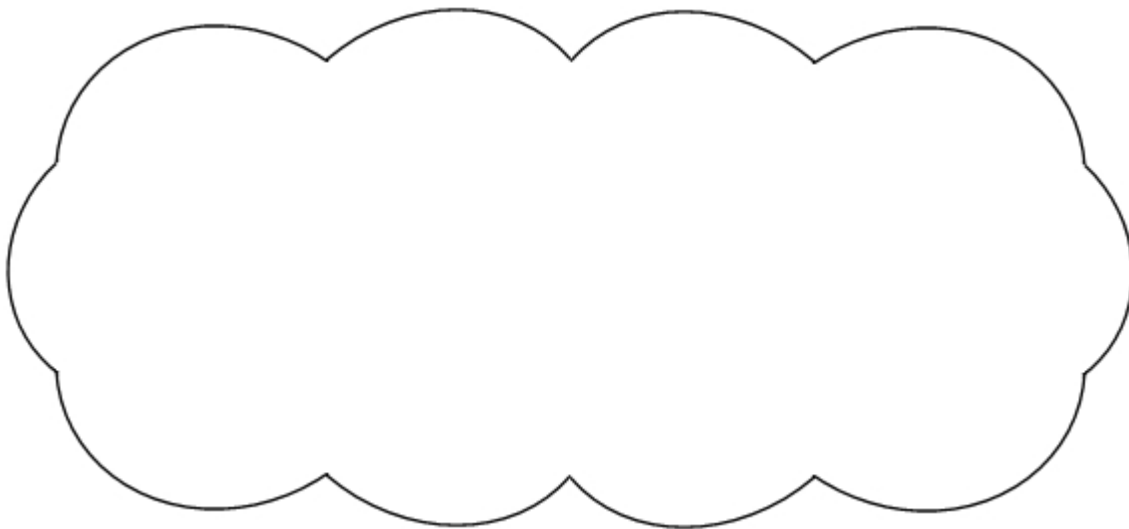How many people get up at **8 am or later**?

1 mark

Amy says,

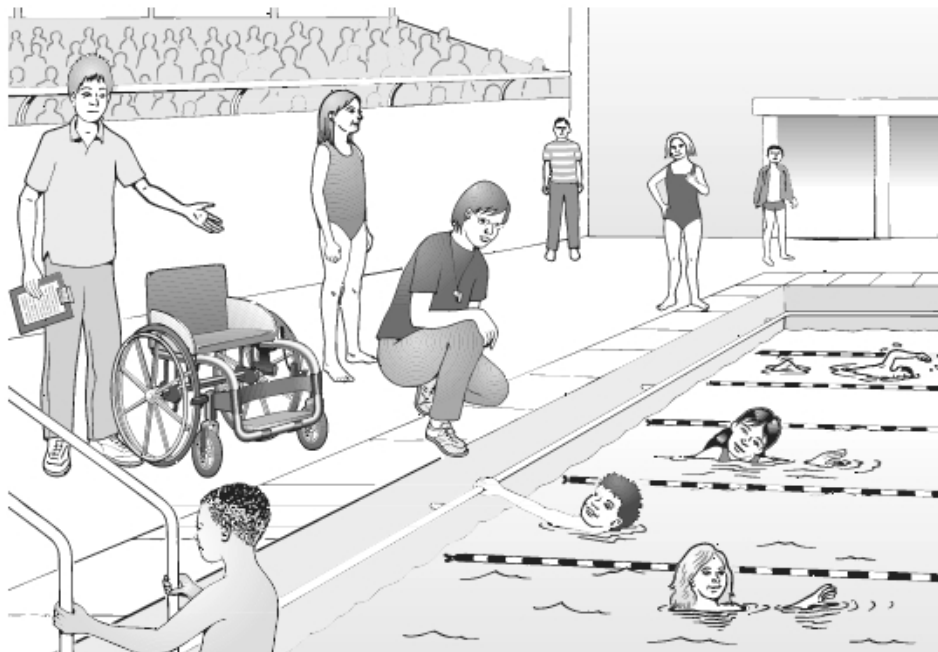> *'Two-thirds of the 150 people in the survey get up before 9 am.'*

Amy is correct.

Explain how you know.

1 mark

11.

Emily, Ben and Nisha take part in a sponsored swim to collect money for charity.

Emily collects £2.75 **more** than Nisha.

Ben collects £15

Nisha collects £7 **less** than Ben.

Altogether how much money do the three children collect?
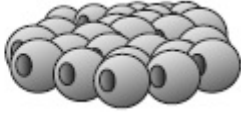
Show your method

£

2 marks

12. Layla makes jewellery to sell at a school fair.

Each bracelet has **53** beads.
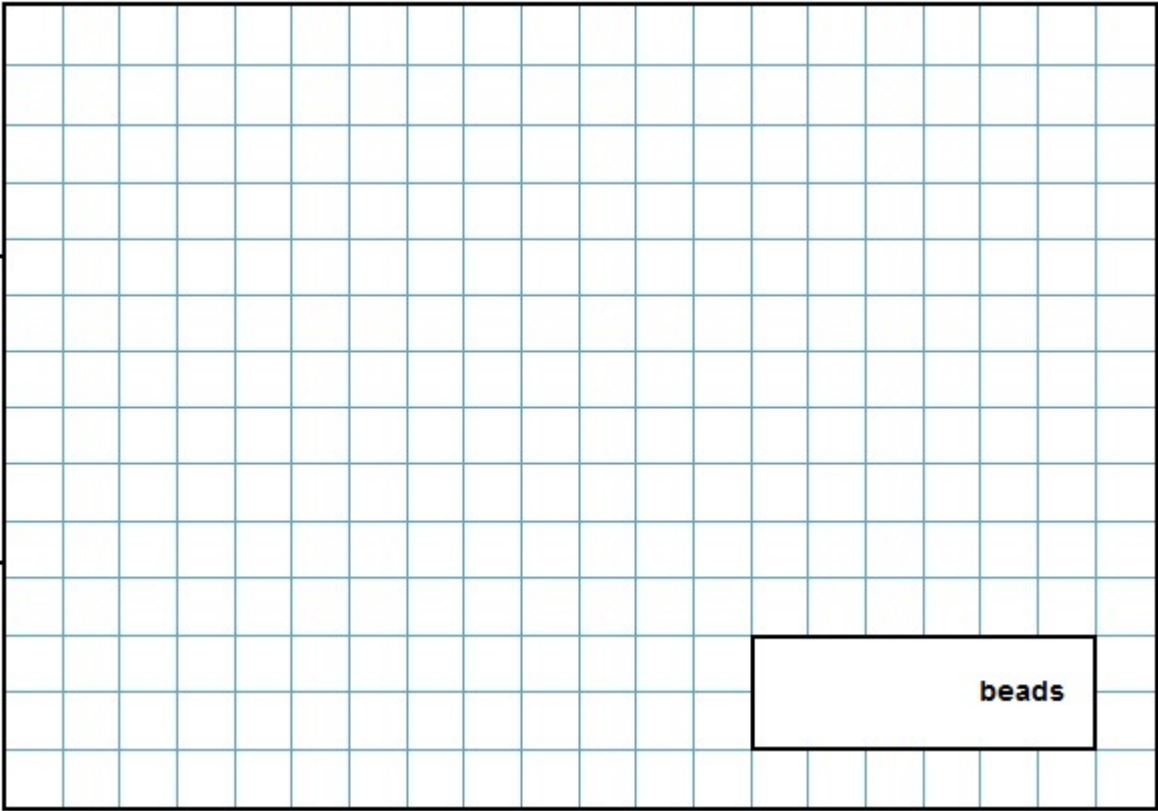
She makes **68** bracelets.

Each necklace has **105** beads.

She makes **34** necklaces.

How many beads does Layla use **altogether?**

Show your method

| | beads |

3 marks

13. Seb saved up for a new skateboard that cost £40

The table shows how much money he saved each week.

Week number	1	2	3	4	5	6	7	8	9	10
Amount saved	£5	£4	£2	£4	£3	£4	£6	£4	£3	£5

In which week did Seb reach **half** the amount he needed for the skateboard?

Week

1 mark

If Seb had saved an extra £1 each week, in which week would he have reached his target of £40?

Week

1 mark

14. Large pizzas cost £8.50 each.

Small pizzas cost £6.75 each.

Five children together buy one large pizza and three small pizzas.

They share the cost equally.

How much does each child pay?

Show your method

£

2 marks

15. Maria bakes cakes and sells them in bags.

She uses this formula to work out how much to charge for one bag of cakes.

Cost = number of cakes × 20p + 15p for the bag

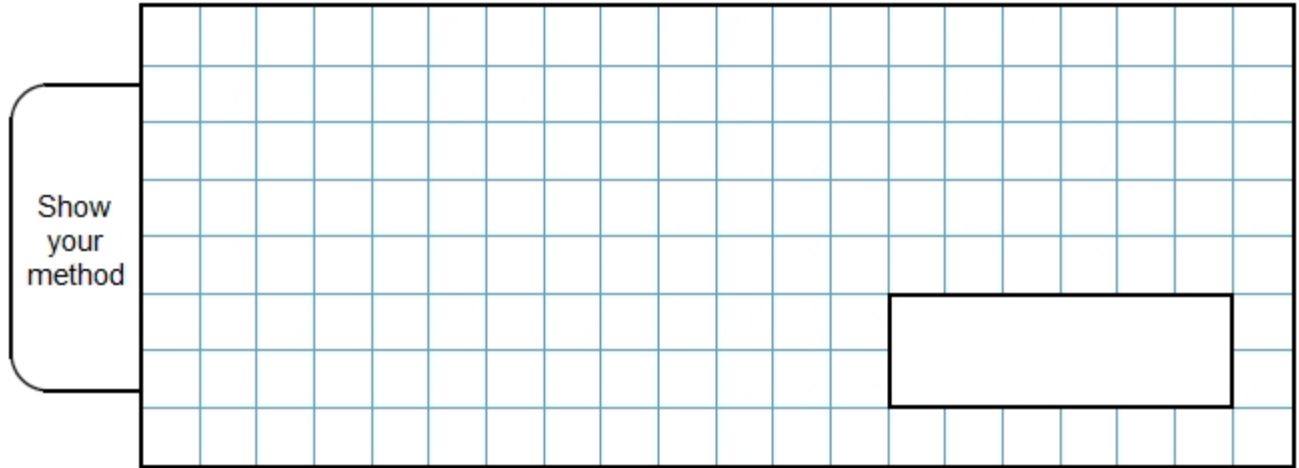How much will a bag of 12 cakes cost?

£

1 mark

Olivia buys a bag of cakes for £5.15

Use the formula to calculate how many cakes are in the bag.

Show your method

2 marks