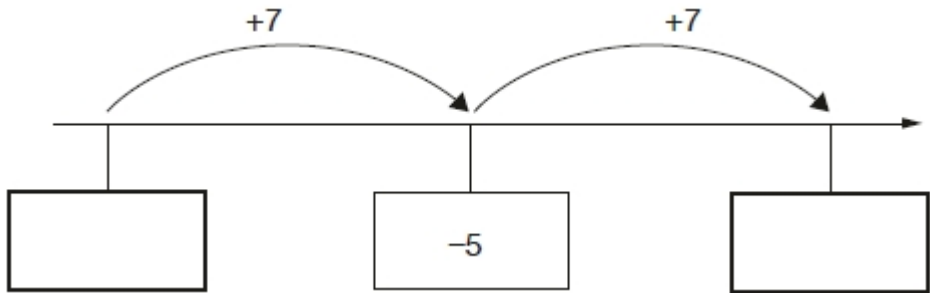


1.

Here is part of a number line.

Write the missing numbers in the boxes.



2 marks

2.

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

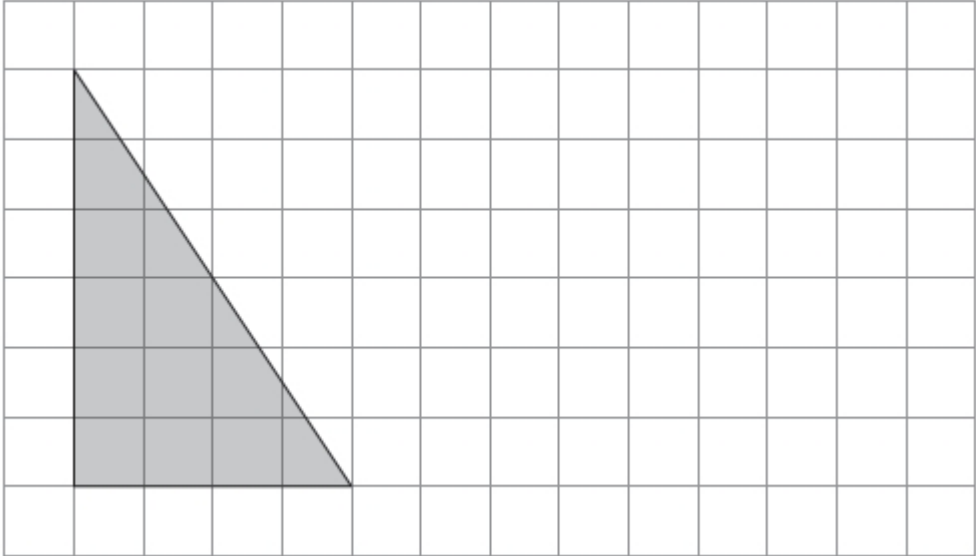
£

2 marks

3.

Draw a rectangle on the grid that has **half** the area of the shaded triangle.

Use a ruler.



1 mark

4.

Seven children measured their heights.

Children	Height (cm)
Stefan	144
Lara	136
Olivia	142
Chen	143
Maria	152
Dev	148
Sarah	150

What is the mean height of the children?

Show your method

cm

2 marks

6.

Lara chooses a number less than 100

She divides it by 3 and then subtracts 11

She then divides this result by 2

Her answer is 10.5

What was the number she started with?

Show your method

The grid is 20 units wide and 10 units high. A smaller empty box is located on the right side of the grid, approximately 15 units from the left edge and 4 units from the bottom edge.

2 marks

7. Here are six cards.

$\times 10$	$\times 100$	$\times 1000$
$\div 10$	$\div 100$	$\div 1000$

Use a card to complete each calculation.

$$5.3 \boxed{} = 0.53$$

$$5.3 \boxed{} = 5300$$

$$5.3 \boxed{} = 0.053$$

2 marks

8. Round **124,531**

to the nearest 10,000

to the nearest 1,000

to the nearest 100

2 marks

9.

Write **all** the common multiples of 3 and 8 that are **less than 50**

1 mark

10.

Complete this table by rounding the numbers to the **nearest hundred**.

	Rounded to the nearest hundred
20,906	
2,090.6	
209.06	

2 marks

11. Olivia buys three packets of nuts.



She pays with a £2 coin.

This is her change.



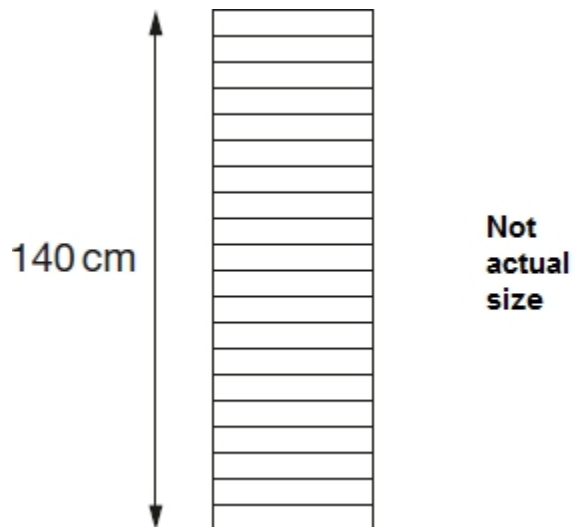
What is the cost of **one** packet of nuts?

Show your method

2 marks

12.

A stack of 20 identical boxes is 140 cm tall.



Stefan takes **three** boxes off the top.

How tall is the stack now?

Show your method

2 marks

13.

Write three factors of 30 that are **not** factors of 15

2 marks

14.

In each box, circle the number that is **greater**.

$1\frac{1}{2}$	1.2
----------------	-----

$1\frac{1}{4}$	1.3
----------------	-----

$1\frac{5}{100}$	1.4
------------------	-----

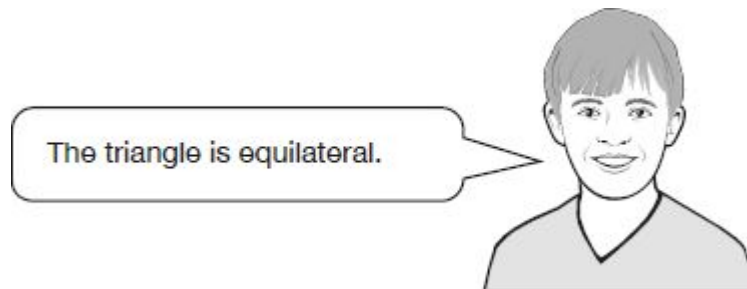
$1\frac{3}{5}$	1.5
----------------	-----

2 marks

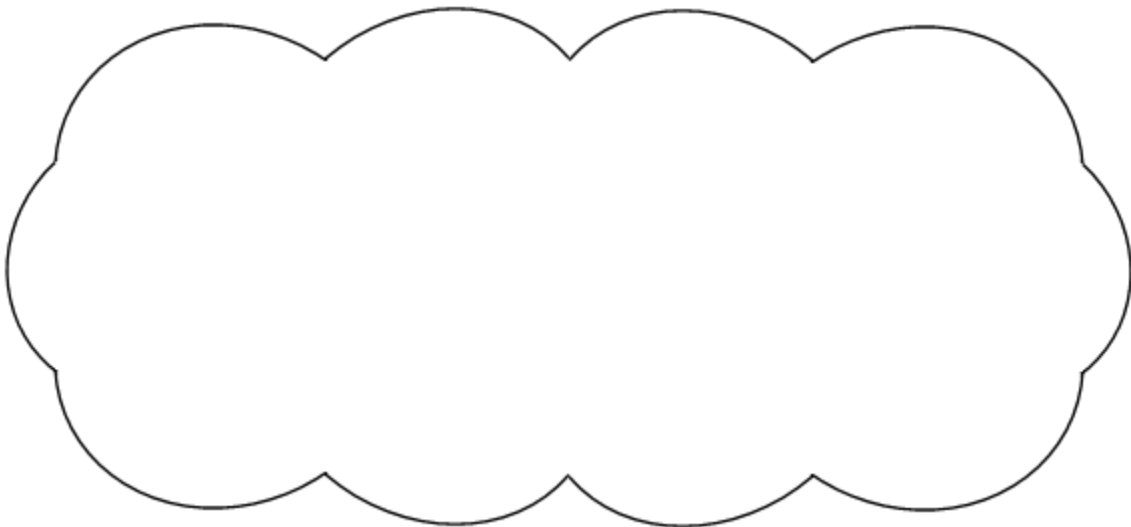
15.

Two of the angles in a triangle are 70° and 40°

Jack says,

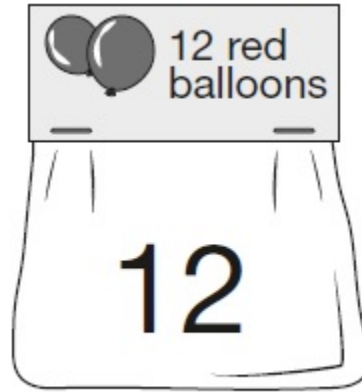


Explain why Jack is **not** correct.



1 mark

16.



Adam buys **6** bags of white balloons.

Chen buys **3** bags of red balloons.

Adam says,

'I have four times as many balloons as Chen.'

Explain why Adam is correct.

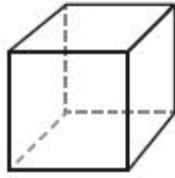
A large, empty, cloud-shaped box with a scalloped border, intended for the student to write their explanation.

1 mark

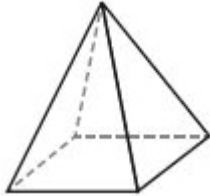
18.

Here are diagrams of some 3-D shapes.

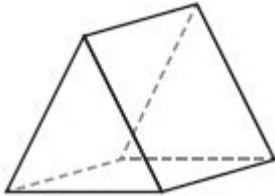
Tick each shape that has the same number of faces as vertices.



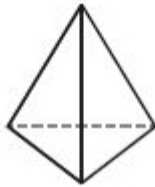
Cube



Square-based pyramid



Triangular prism



Triangular-based pyramid

2 marks

19.

Here is a rule for the time it takes to cook a chicken.

**Cooking time = 20 minutes plus an extra
40 minutes for each kilogram**

How many minutes will it take to cook a 3 kg chicken?

minutes

1 mark

What is the mass of a chicken that takes 100 minutes to cook?

kg

1 mark

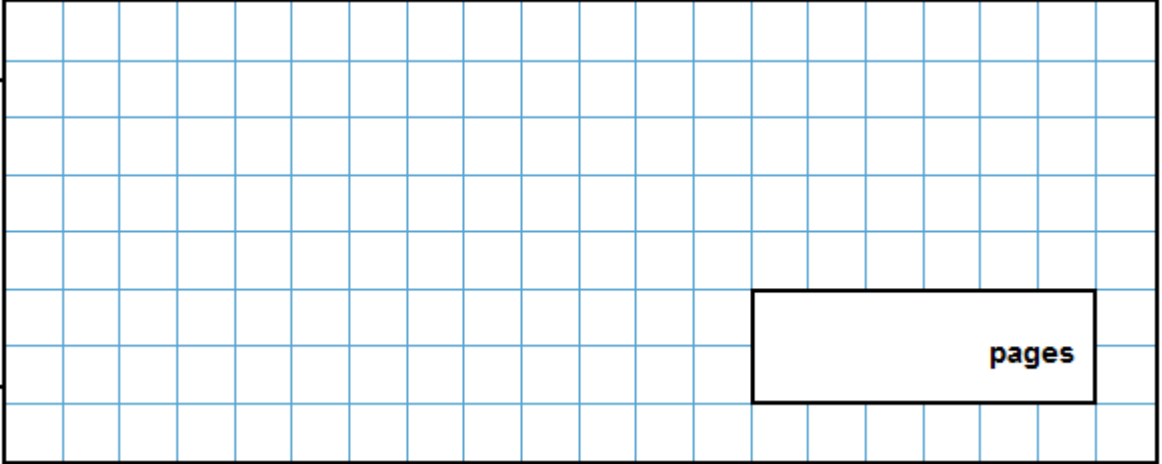
20.

A book has 276 pages.

Amina has read $\frac{1}{3}$ of the book.

How many pages are **left** for Amina to read?

Show your method



pages

2 marks

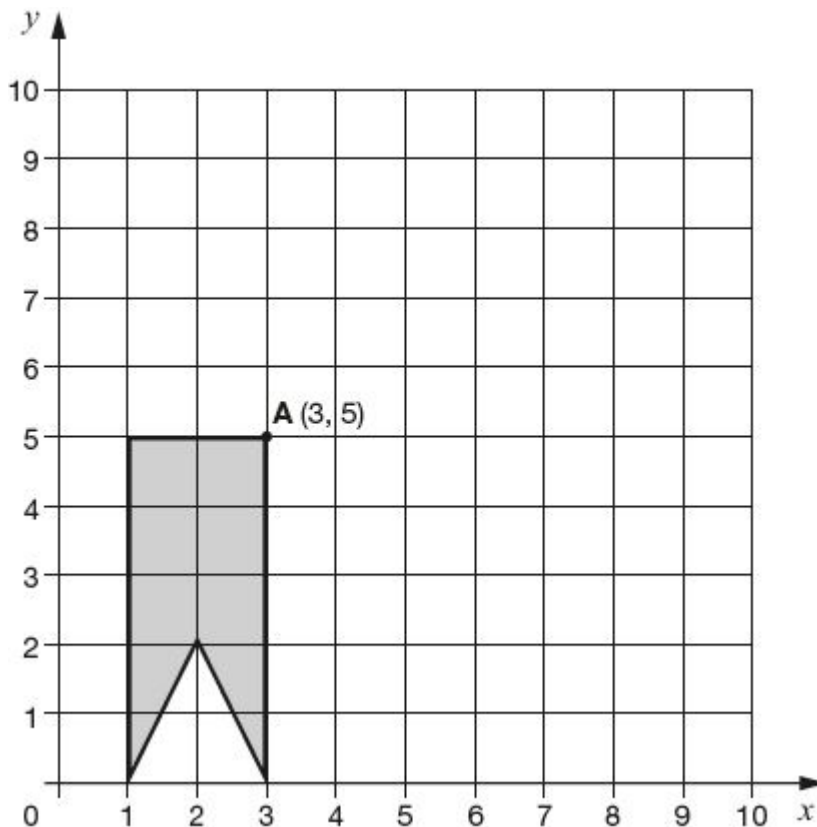
21.

Here is a shape on a grid.

The shape is translated so that point **A** moves to (7, 8).

Draw the shape in its new position.

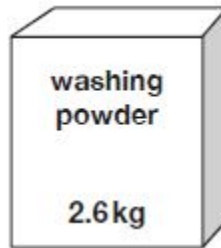
Use a ruler.



1 mark

22.

A box contains 2.6 kg of washing powder.



Jack uses 65 grams of powder for each wash.

He uses all the powder.

How many washes did Jack do?

Show your method

A large grid for showing the method to solve the problem. The grid is 20 units wide and 10 units high. On the left side, there is a rounded rectangular box containing the text "Show your method". On the right side, there is a smaller rectangular box containing the text "washes".

2 marks

23.

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

24.

Jack has £400

He spends **35%** of his money on a new bike.



How much does Jack spend on his new bike?

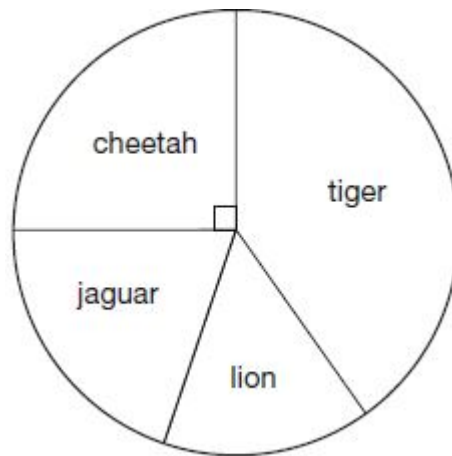
£

1 mark

25.

This chart shows the number of different types of big cat in a zoo.

There are **20** big cats in the zoo altogether.



Here are some statements about the chart.

Tick the statements that are **true**.

There are more cheetahs than jaguars.

The total number of lions and tigers is 10

One-quarter of the big cats are cheetahs.

There are more than 5 jaguars.

2 marks