Q1.

How many days are there in September, October and November altogether?

days

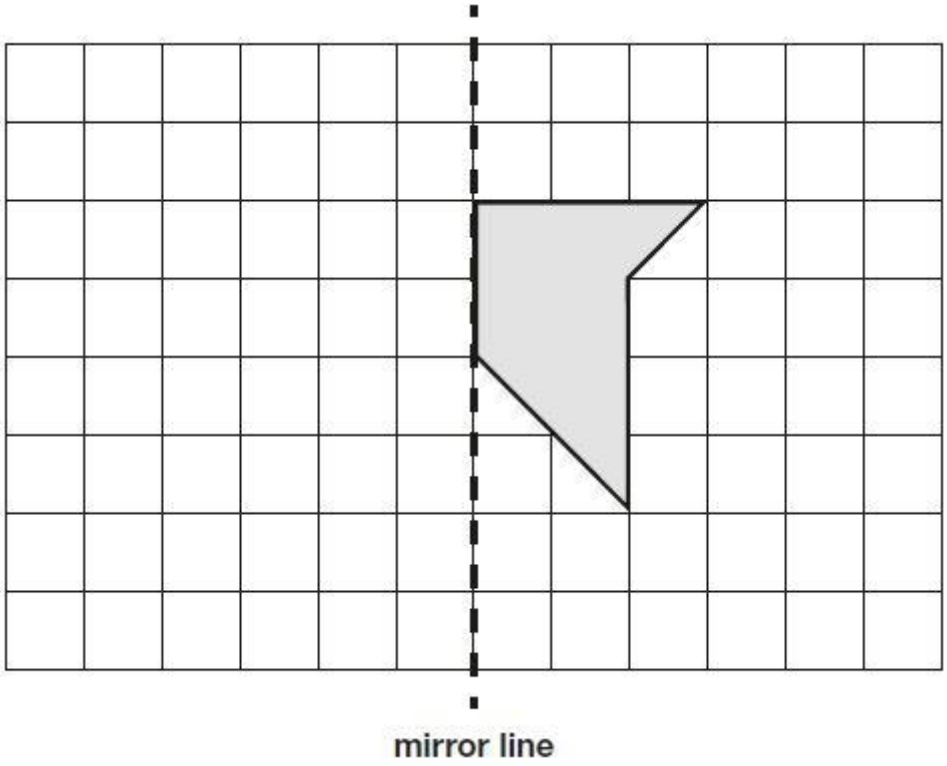
1 mark

Q2.

Here is a shape on a grid.

Complete the design so that it is symmetrical about the mirror line.

Use a ruler.



1 mark

Q3.

Kirsty says,

When you double the size of an acute angle, you always get an obtuse angle.

Explain why Kirsty is **not** correct.

1 mark

Q4.

The **original** price of this car is £8,999

What is the **sale** price of the car?

£

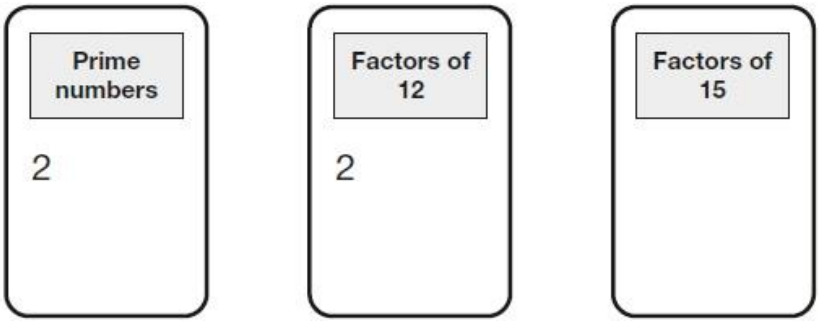
1 mark

Q5.

Here are five numbers.

~~2~~ 3 4 5 6

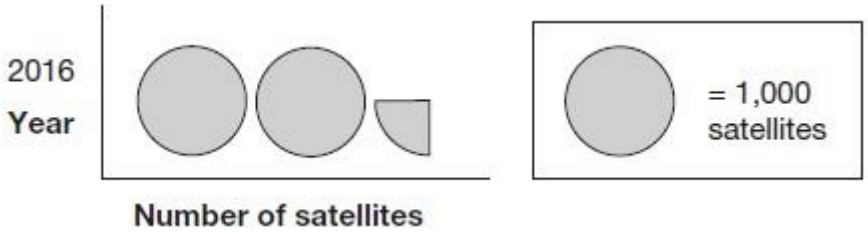
Write each number on the correct cards. The number 2 has been written on the correct cards for you.



2 marks

Q6.

This pictogram shows the number of satellites above the Earth in 2016.



How many satellites were above the Earth in 2016?

1 mark

Q7.

Write these masses in order, starting with the **lightest**.

1.25 kg 0.99 kg 1.025 kg 0.009 kg

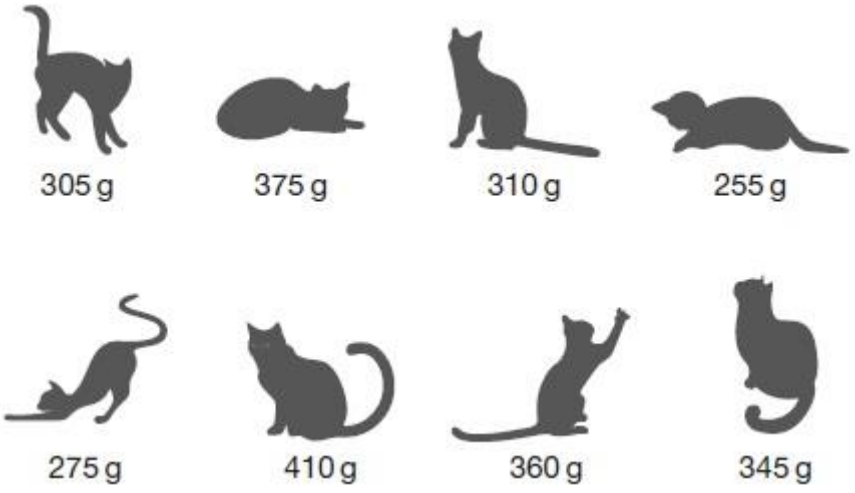
kg kg kg kg

lightest

1 mark

Q8.

This picture shows the masses of eight kittens.



What is the **difference** in mass between the heaviest kitten and the lightest kitten?

g

1 mark

The masses of the kittens are to be put in four groups.

Write the missing numbers in the table.

One has been done for you.

Mass in g	Number of kittens
250-299	
300-349	
350-399	
400-449	1

1 mark

Q9.

John buys one toy car and one pack of stickers.

£1.49

£1.64

He pays with a **£10** note.

How much change does John get?

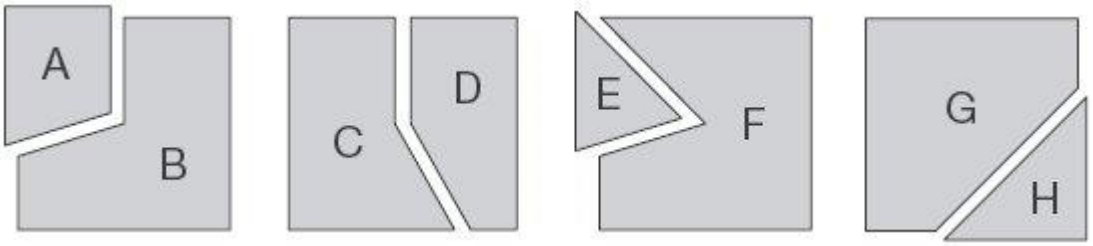
Show your method

£

2 marks

Q10.

Each of these four squares has been cut into two new shapes.



Write the letters of all the new shapes that are **hexagons**.

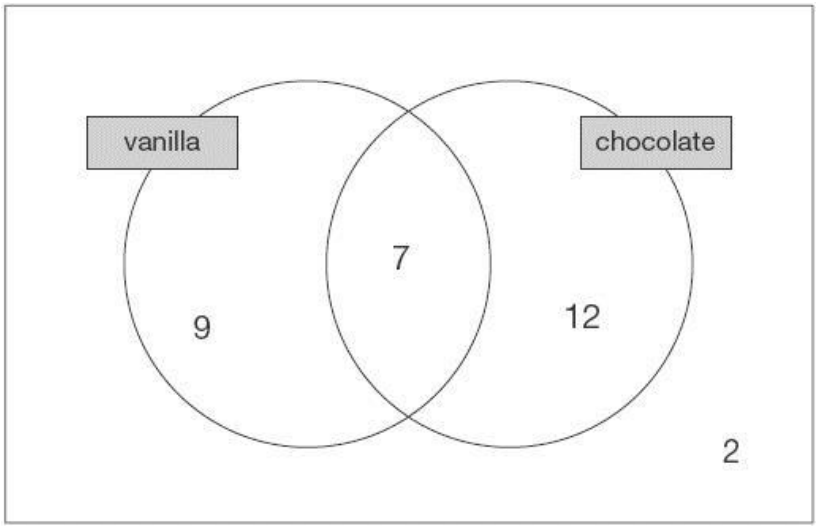
1 mark

Write the letters of all the new shapes that are **pentagons**.

1 mark

Q11.

Joe asked the children in his class which flavours of ice-cream they like. He recorded the results in a Venn diagram.



How many children like chocolate ice-cream?

1 mark

How many children **do not** like vanilla ice-cream?

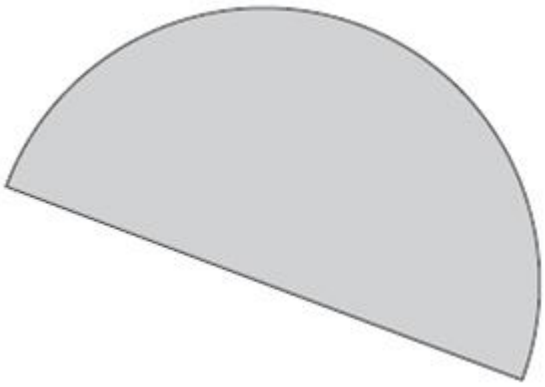
1 mark

Q12.

Here is a semi-circle.

Measure accurately the length of the straight edge.

Give your answer in **centimetres**.

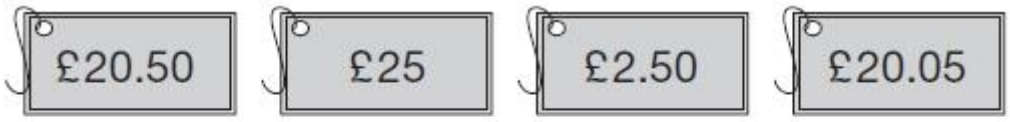


cm

1 mark

Q13.

Write these prices in order, starting with the **smallest**.

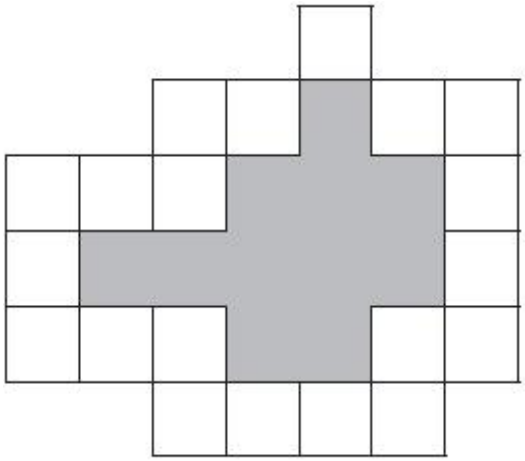


£ £ £ £

smallest

1 mark

Q14. Here is a set of 20 squares around a shaded space.



What is the area of the shaded space?

squares

1 mark

Q15.

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

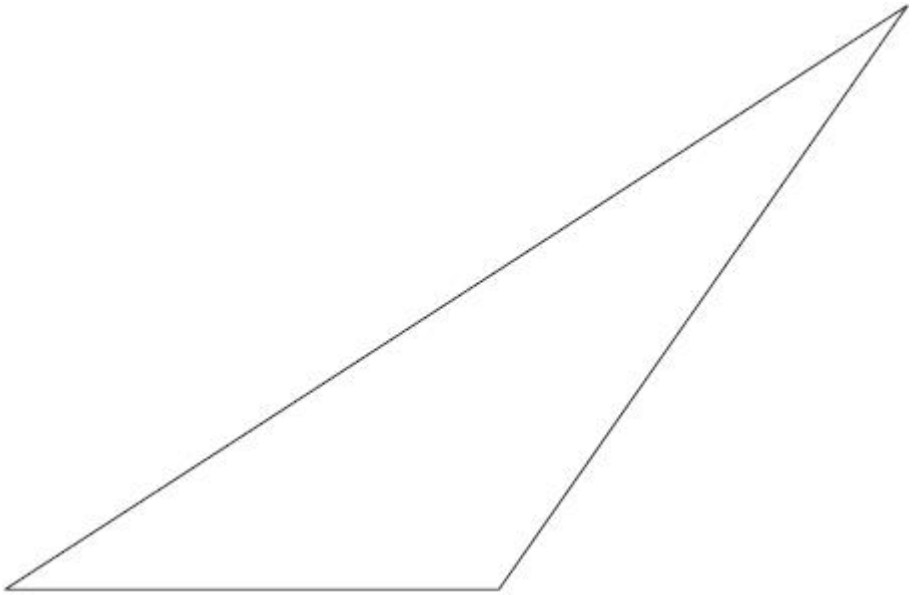
Q16.

Put these temperatures in order, starting with the **lowest**.

21°C	−13°C	−24°C	0°C	35°C
°C	°C	°C	°C	°C
lowest				

1 mark

Q17.



Measure the length of the shortest side of this triangle in millimetres.

mm

1 mark

Measure the size of the largest angle in this triangle.

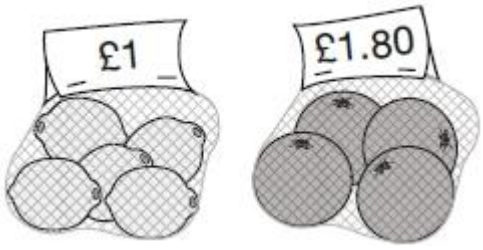
°

1 mark

Q18.

A bag of 5 lemons costs £1

A bag of 4 oranges costs £1.80



How much **more** does one orange cost than one lemon?

Show your method

2 marks

Q19.

Stefan's watch shows five minutes past nine.

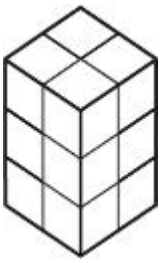
The watch is twelve minutes fast

What is the correct time?

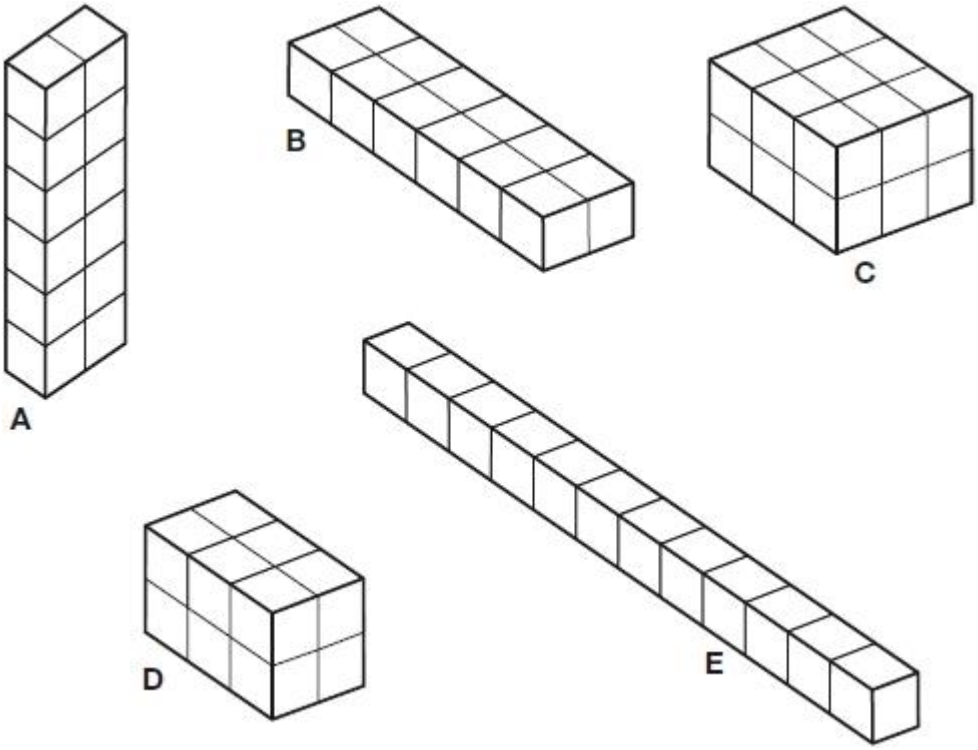
1 mark

Q20.

Emma makes a cuboid using 12 cubes.



Write the letter of the cuboid that has a **different** volume from Emma's cuboid.

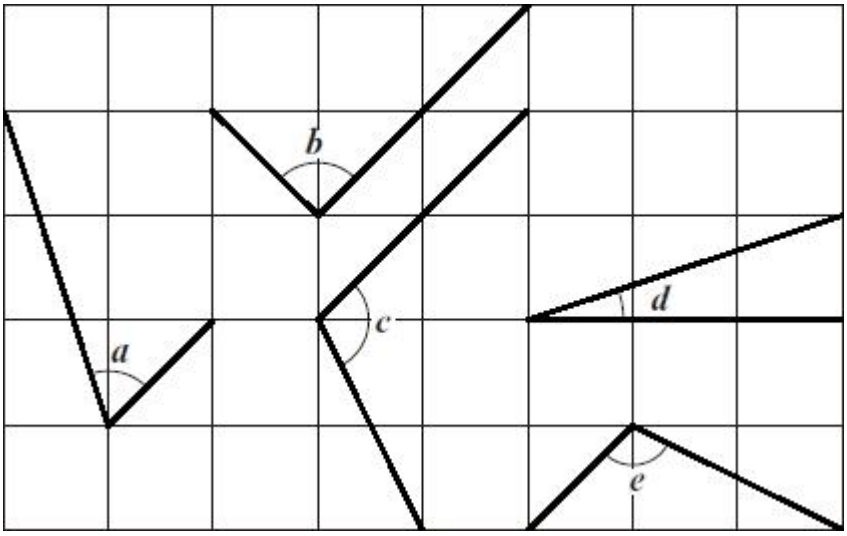


_____

1 mark

Q21.

Here are five angles marked on a grid of squares.



Write the letters of the angles that are **obtuse**.

_____

1 mark

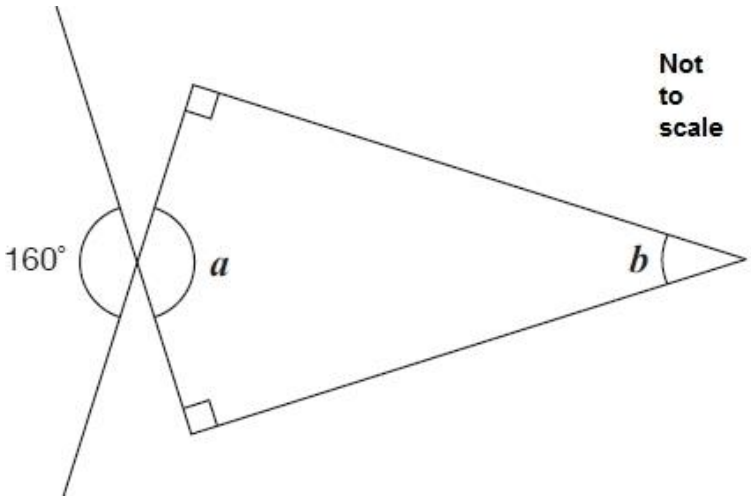
Write the letters of the angles that are **acute**.

_____

1 mark

Q22.

Calculate the size of angles a and b in this diagram.



$a =$ ☐ °

1 mark

$b =$ ☐ °

1 mark

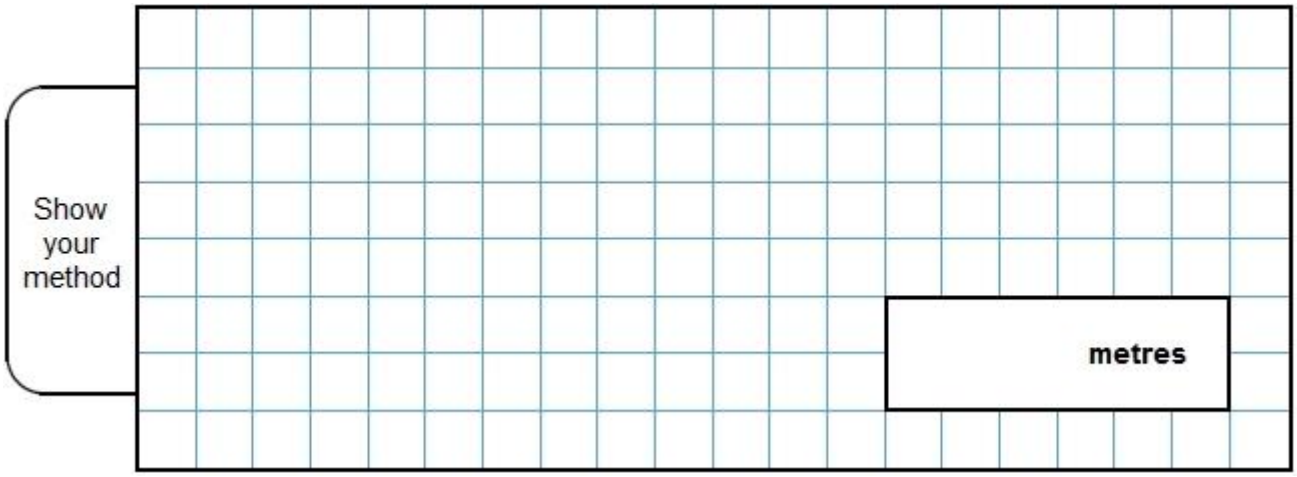
Q23.

Jacob cuts **4** metres of ribbon into **three** pieces.

The length of the first piece is **1.28** metres.

The length of the second piece is **1.65** metres.

Work out the length of the third piece.

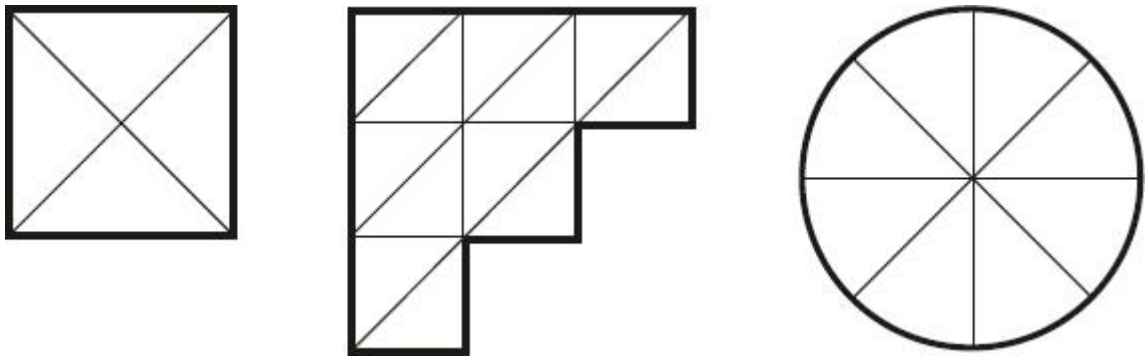


2 marks

Q24.

Each diagram below is divided into equal sections.

Shade three-quarters of each diagram.



2 marks

Q25.

Put these houses in order of price starting with the **lowest price**.

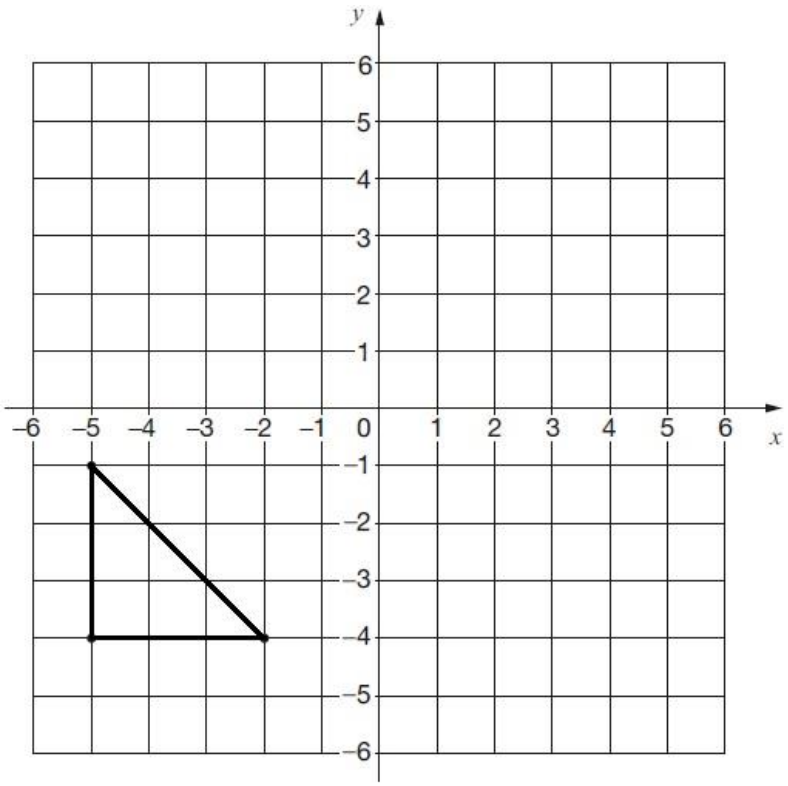
One has been done for you.

	B			
lowest				

1 mark

Q26.

Here is a triangle drawn on a coordinate grid.



The triangle is translated **7 right** and **5 up**.

Draw the triangle in its new position. 1 mark

Q27.

Write these numbers in order of size, starting with the **smallest.**

1.9 0.96 1.253 0.328

smallest

1 mark

Q28.

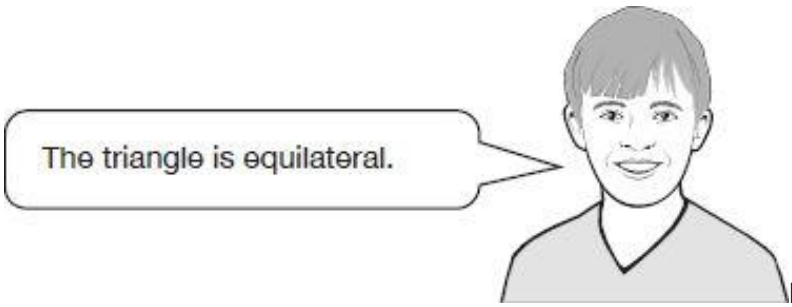
Write the missing numbers to make this **multiplication** grid correct.

×		
9	63	54
	56	48

1 mark

Q29.

Two of the angles in a triangle are 70° and 40°: Jack says,



Explain why Jack is **not** correct.

1 mark

Q30.

Last year, Jacob went to four concerts.

Three of his tickets cost £5 each.

The other ticket cost £7

What was the **mean** cost of the tickets?

Show your method

£

2 marks

Q31.

Stefan completes this calculation.

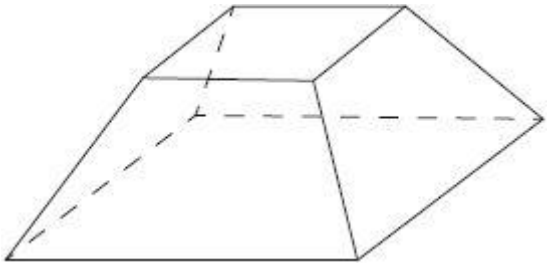
$$\begin{array}{r} 95 \\ -\ 67 \\ \hline 28 \end{array}$$

Write an **addition** calculation he could use to check his answer.

$$\begin{array}{r} \square\square \\ +\ \square\square \\ \hline \square\square \end{array}$$

1 mark

Q32. Here is a drawing of a 3-D shape.



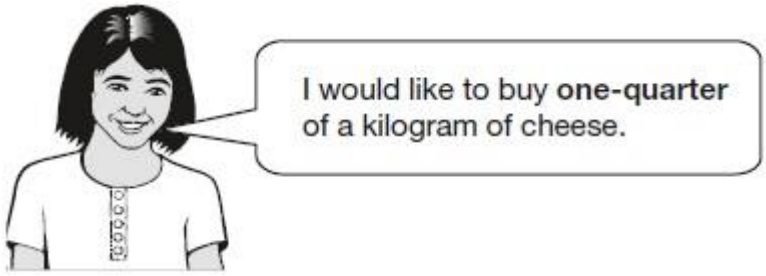
Complete the table.

Number of faces	Number of vertices	Number of edges

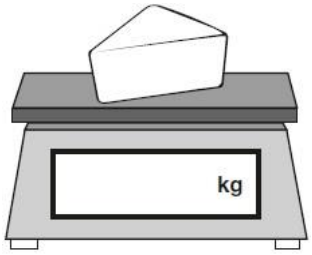
2 marks

Q33. Amina is shopping.

She says,



Write one-quarter on the scales as a decimal.



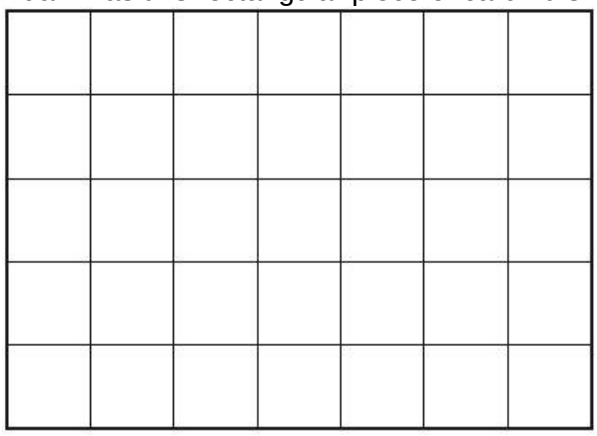
1 mark

The cheese costs £1.35: Amina pays with a £2 coin.: How much change should Amina get?

1 mark

Q34.

Adam has this rectangular piece of card. It is marked with grid lines.



Adam makes two straight cuts along the grid lines.: The two cuts divide the rectangle into 3 shapes:

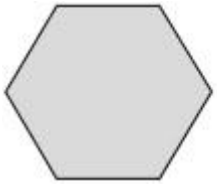
- 2 squares of **different** size, and 1 rectangle. Using the grid lines, draw **two** lines that show where Adam could have made his cuts. Use a ruler.

1 mark

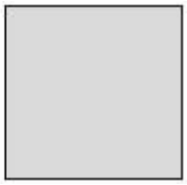
Q35.

These two shapes have the **same** perimeter.

regular hexagon



square



Not actual size

The length of each side of the **hexagon** is **8** centimetres.

Calculate the **area** of the **square**.

Show your method

cm^2

2 marks