

14

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



E 0 0 0 8 0 A 0 1 7 2 4

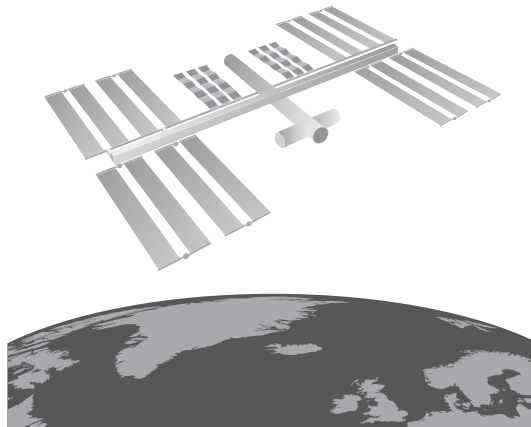
14

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

days

1 mark

15



The International Space Station orbits the Earth at a height of 250 miles.

What is the height of the International Space Station in **kilometres**?

Use 8 kilometres equals 5 miles.

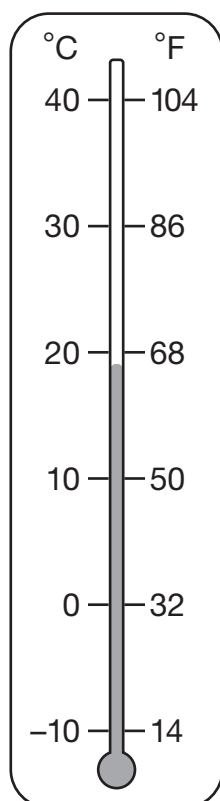
km

1 mark



15

This thermometer shows temperatures in both °C and °F.



Work out what **25 °C** is in °F.

Show
your
method

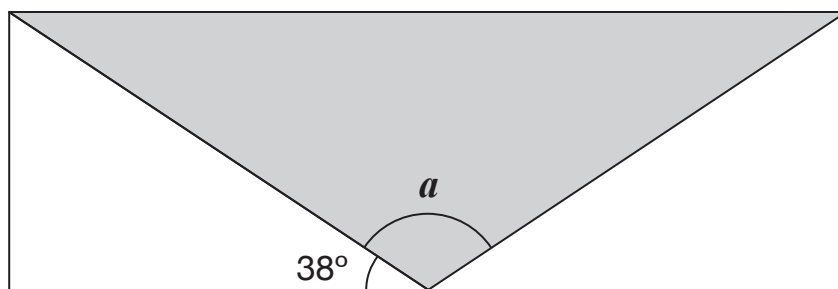
A blank graph grid with a horizontal axis labeled "°F". The grid consists of 20 columns and 10 rows. The horizontal axis is the bottom-most line of the grid, and the label "°F" is positioned at the far right end of this axis.

2 marks



15

A shaded **isosceles** triangle is drawn inside a rectangle.



**Not
to
scale**

Calculate the size of angle a .

Show
your
method

a is

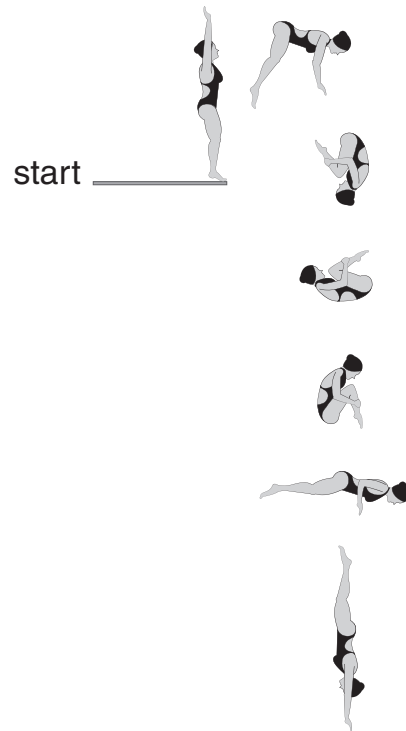
©

2 marks



16

Layla completes one-and-a-half somersaults in a dive.

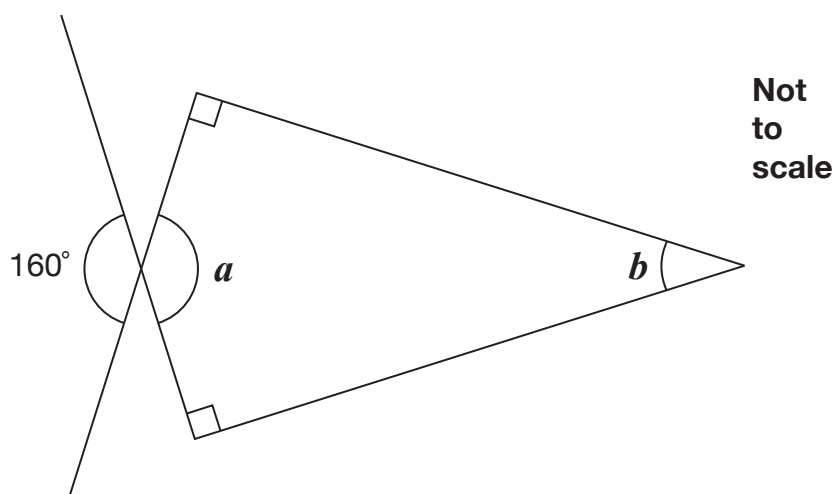


How many **degrees** does Layla turn through in her dive?

1 mark



17

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

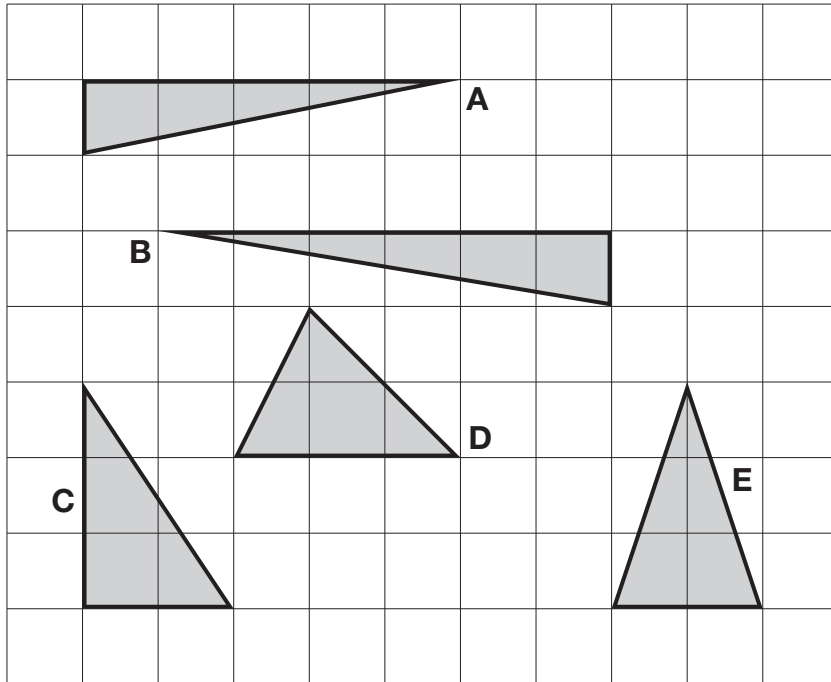
1 mark $b =$

1 mark

E 0 0 0 7 0 A 0 1 9 2 4

17

Here are five triangles on a square grid.



Four of the triangles have the same area.

Which triangle has a **different** area?

_____ 1 mark

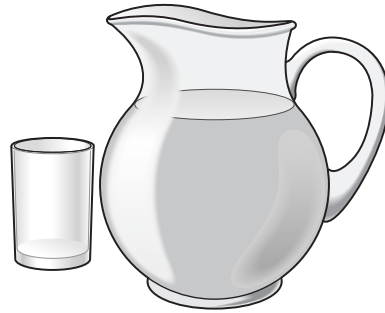


17

There are 28 pupils in a class.

The teacher has 8 litres of orange juice.

She pours 225 millilitres of orange juice for every pupil.



How much orange juice is left over?

Show
your
method

3 marks

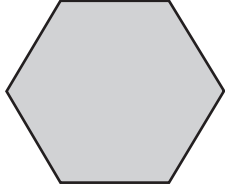


G 0 0 0 7 0 A 0 1 7 2 4

17

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

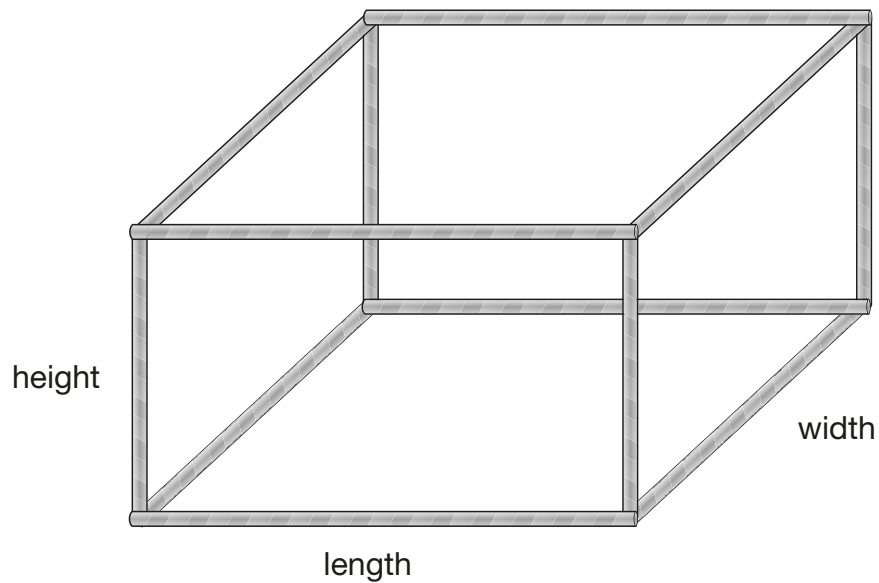
cm^2

2 marks



17

Kim makes a cuboid model using straws.



She uses straws that are 7.5 cm long for the height.

She uses straws that are 11 cm long for the length.

She uses straws that are 8.5 cm long for the width.

What is the **total** length of all the straws in her model?

Show
your
method

2 marks

