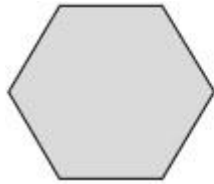


Q1.

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

regular hexagon



square

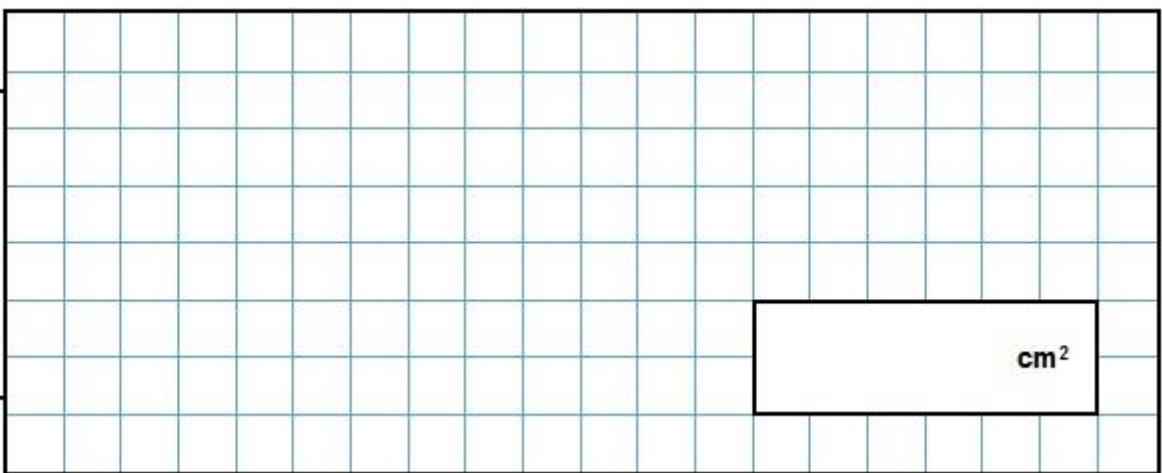


Not actual size

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

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

Show your method

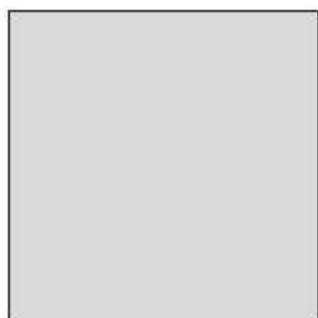


cm²

2 marks

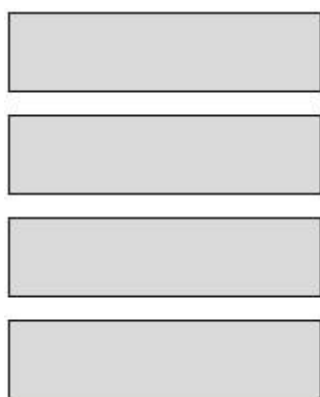
Q2.

The **area** of this square is 36 cm^2 .



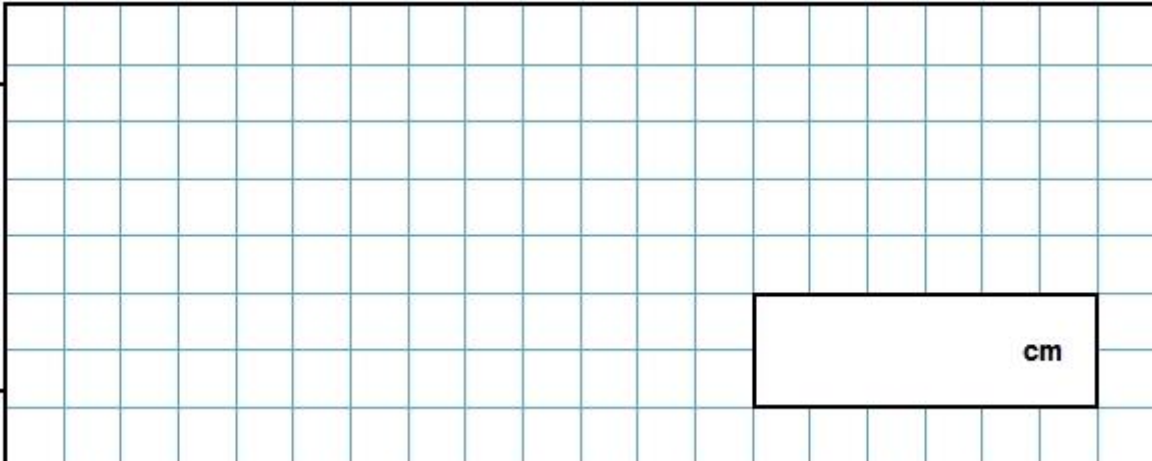
Not actual size

The square is cut into quarters to create 4 identical rectangles.



What is the **perimeter** of **one** of the small rectangles?

Show your method

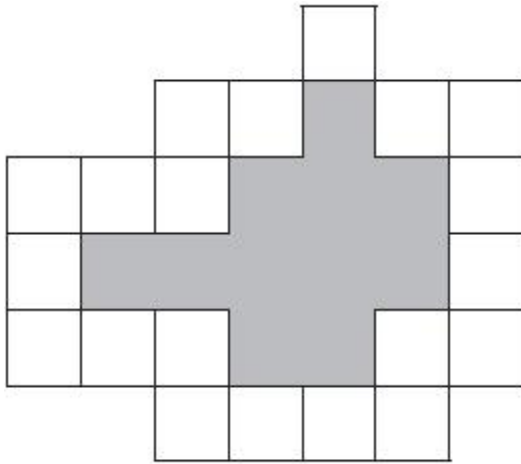


The grid is 18 units wide and 10 units high. A small rectangle is drawn in the bottom right corner, spanning 3 units wide and 2 units high. The label 'cm' is placed inside this rectangle.

2 marks

Q3.

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



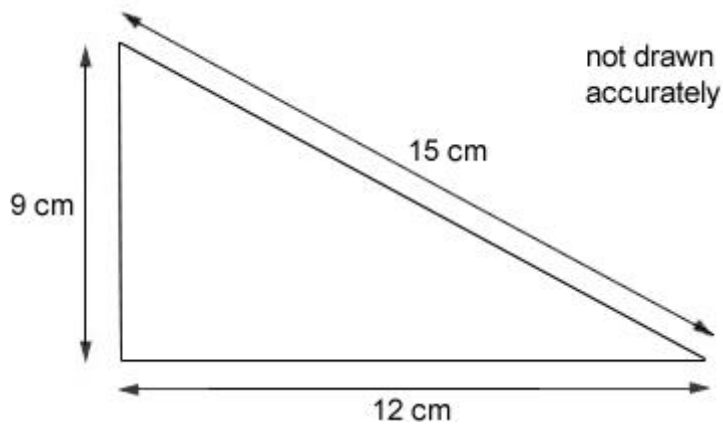
What is the area of the shaded space?

squares

1 mark

Q4.

Calculate the area of this triangle.

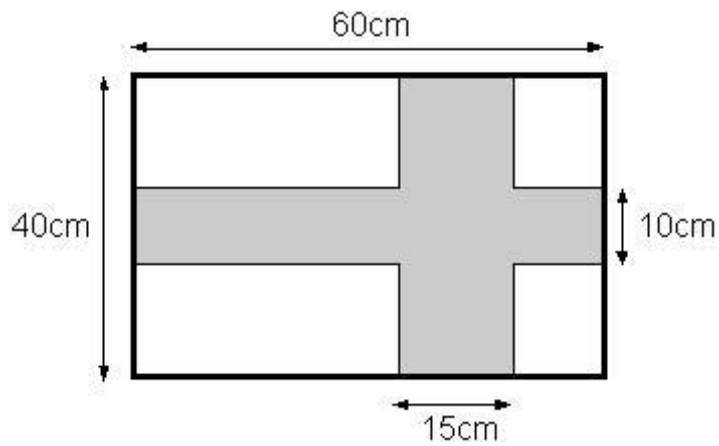


cm²

1 mark

Q5.

Here is a flag.



Calculate the **area** of the **shaded cross**.

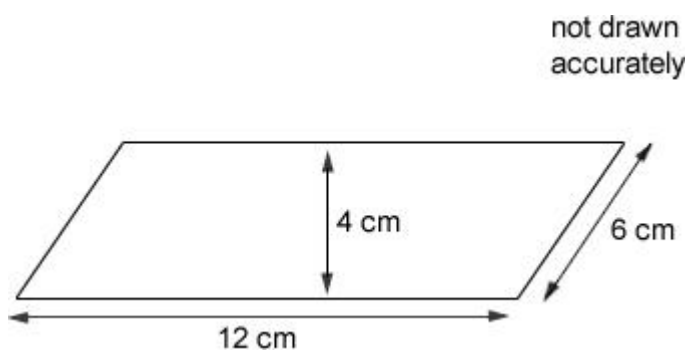
Show your method

cm²

2 marks

Q6.

Calculate the area of this parallelogram.

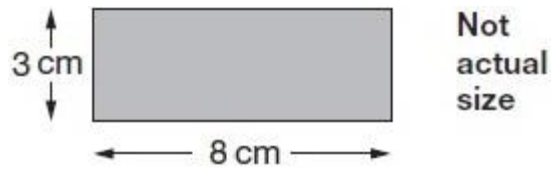


cm²

1 mark

Q7.

Alfie has some rectangles.



He makes this shape using three of the rectangles.



What is the **perimeter** of Alfie's shape?

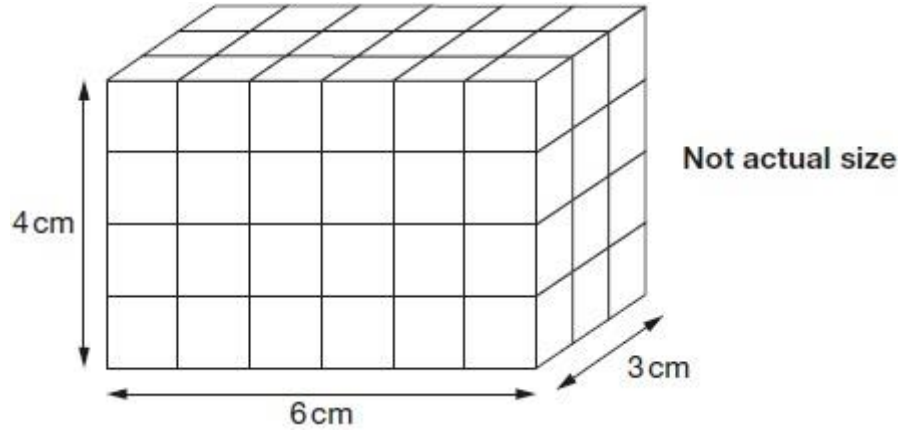
Show your method

cm

2 marks

Q8.

Amina made this cuboid using centimetre cubes.



Stefan makes a cuboid that is 5 cm longer, 5 cm taller and 5 cm wider than Amina's cuboid.

What is the **difference** between the number of cubes in Amina's and Stefan's cuboids?

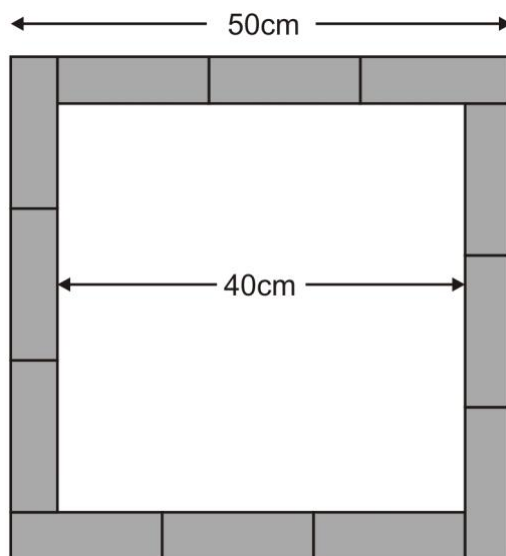
Show your method

cubes

2 marks

Q9.

Twelve rectangles, all the same size, are arranged to make a **square**, as shown in the diagram.



Calculate the **area** of **one** of the rectangles.

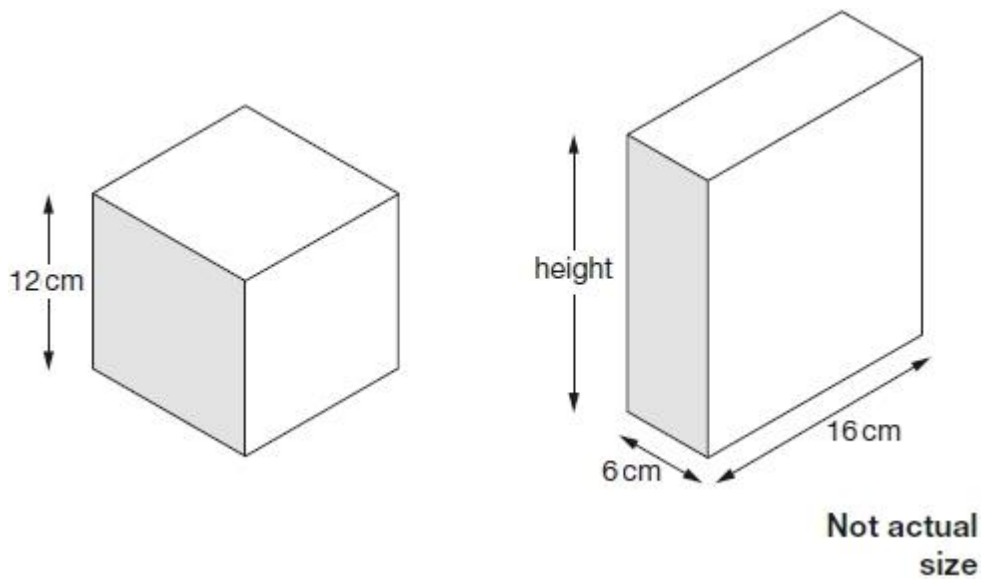
Show your method

The grid is 20 units wide and 10 units high. A box on the right side of the grid contains the text cm^2 .

2 mark

Q10.

The cube and cuboid have **equal volumes**.



Calculate the height of the cuboid.

Show
your
method

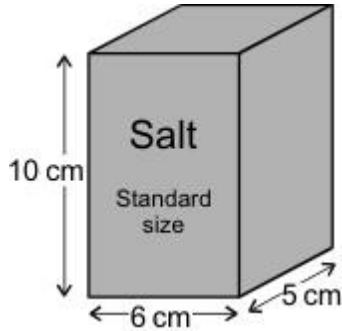
A large grid for showing the method. A small box at the bottom right contains the text "cm".

2 marks

Q11.

Salt

- (a) What is the volume of this **standard size** box of salt?



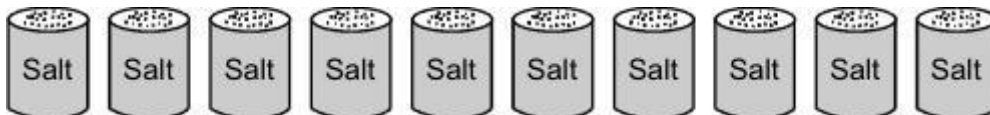
1 mark

- (b) What is the volume of this **special offer** box of salt, which is **20% bigger**?



2 marks

The **standard size** box contains enough salt to fill up **10** salt pots

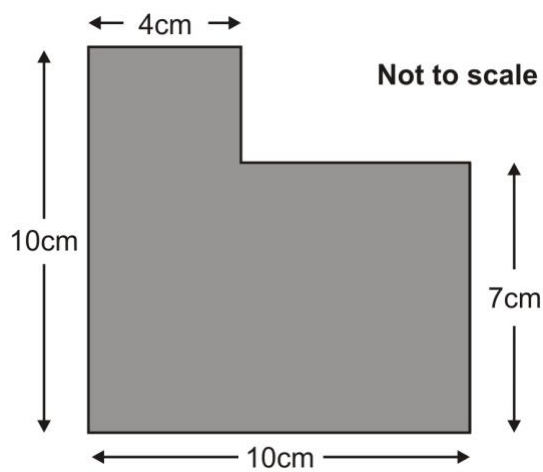


- (c) How many salt pots may be filled up from the **special offer** box of salt?

1 mark

Q12.

What is the **area** of this shape?



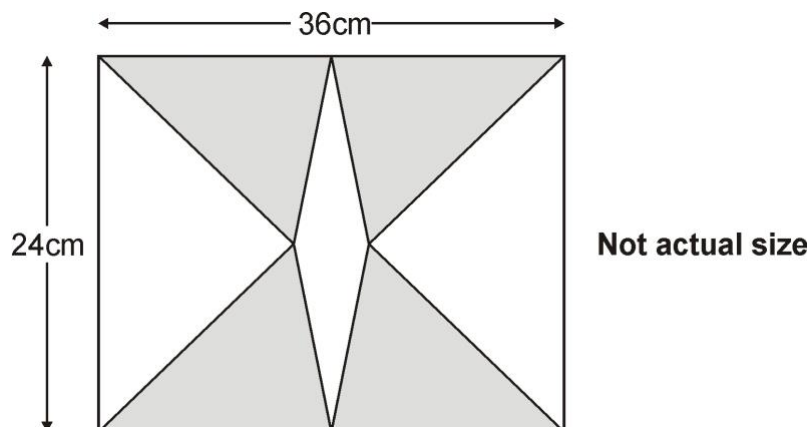
Show your method

cm²

2 marks

Q13.

The diagram shows **4 identical shaded triangles** in a rectangle.



The rectangle measures **36 centimetres** by **24 centimetres**.

Calculate the **area** of **one shaded triangle**.

Show your method

A large grid is provided for showing the method. A small box at the bottom right of the grid contains the text "cm²".

2 mark

