# Y6 SATs
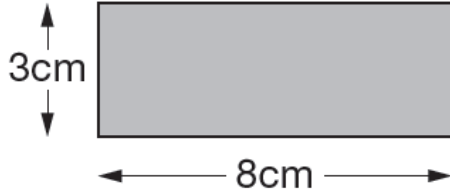
# Perimeter BOOSTER

## 2013A KS2 Q23

Alfie has some rectangles.

3cm

8cm

He makes this shape using three of the rectangles.
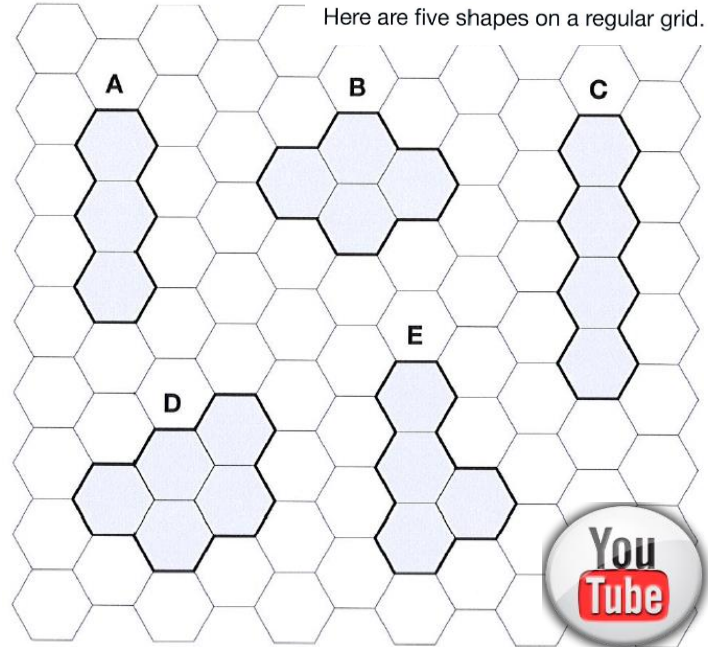
What is the **perimeter** of Alfie's shape?

Show your working

cm

Here are five shapes on a regular grid.

A    B    C

E

D
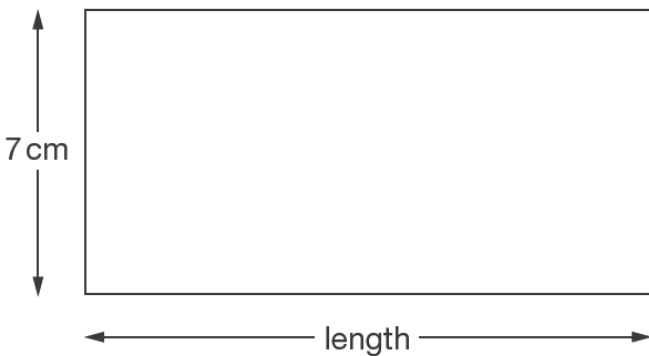
Which shape has the longest **perimeter**?

Which shape has only one **line of symmetry**?

## 2012A KS2 Q13

## 2010A KS2 Q21

7 cm

length

The perimeter of this rectangle is 50 centimetres.

Calculate the length of the rectangle.

Show your **working**. You may get a mark.
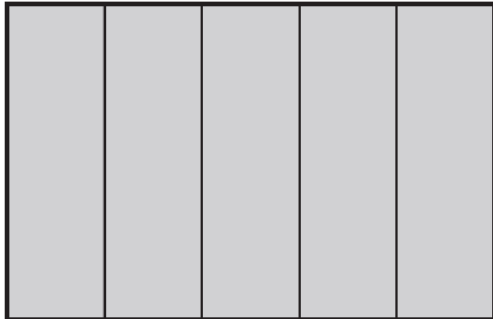
cm

Lara has some identical rectangles.

They are 7 centimetres long and 2 centimetres wide.

She uses **five** of her rectangles to make the large rectangle below.

What is the **perimeter** of the large rectangle?

cm

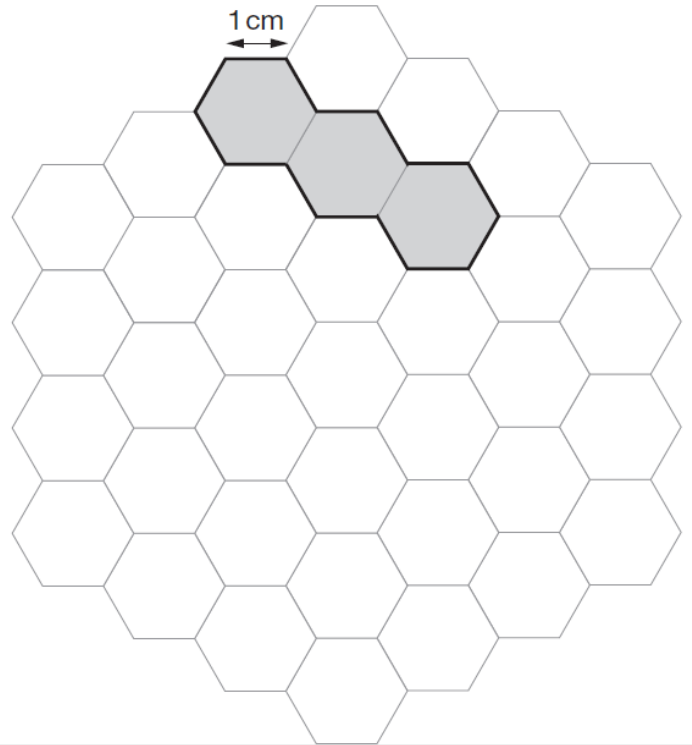What is the **area** of the large rectangle?

cm²

This shape is made from 4 shaded squares.

15cm

Calculate the perimeter of the shape.

Show your **working**. You may get a mark.

cm

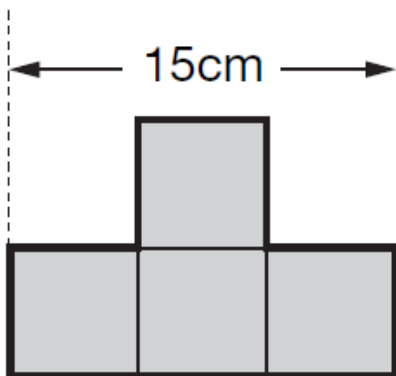Here is a grid of regular hexagons.

The shaded shape has an area of 3 hexagons and a perimeter of 14 cm.

Draw another shape on the grid which has an **area** of 4 hexagons and a **perimeter** of 14 cm.

1 cm

5cm
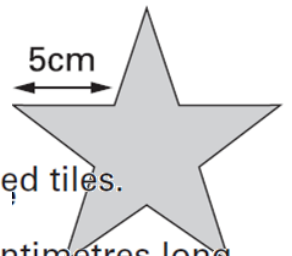
Millie has some star-shaped tiles.

Each edge of a tile is 5 centimetres long.

She puts two tiles together to make this shape.
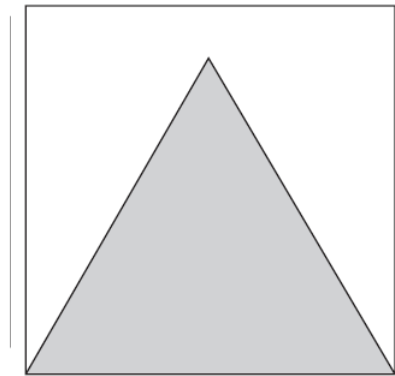
Work out the perimeter of Millie's shape.

cm

Here is an equilateral triangle inside a square.

The perimeter of the triangle is 48 centimetres.
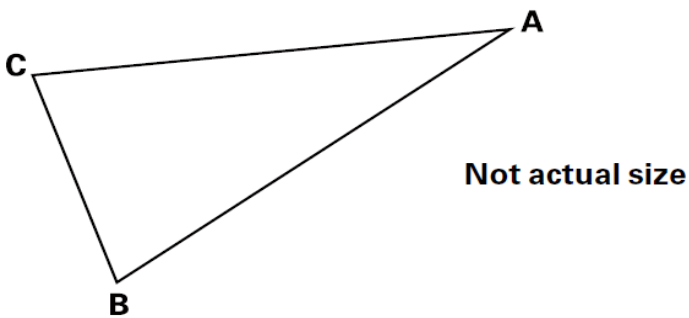
What is the perimeter of the **square**?

Show your **working.** You may get a mark.

cm

Triangle **ABC** is isosceles and has a perimeter of 20 centimetres.

Sides **AB** and **AC** are each **twice** as long as **BC**.

**A**

**C**

**Not actual size**

**B**

**Calculate** the length of the side **BC**.

Do not use a ruler.

Show your **working.** You may get a mark.

cm

An isosceles triangle has a perimeter of 12cm.

One of its sides is 5cm.

What could the length of each of the other two sides be?

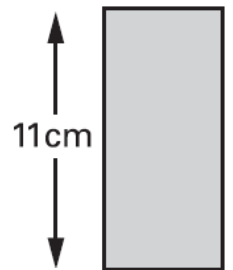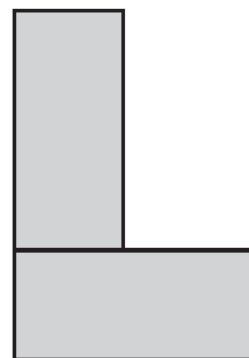Two different answers are possible.

Give **both** answers.

cm and cm

cm and cm

Liam has two rectangular tiles like this.

11cm

5cm

He makes this L shape.

What is the **perimeter** of Liam's L shape?

cm