1 *ABEF* and *ACDF* are rectangles.
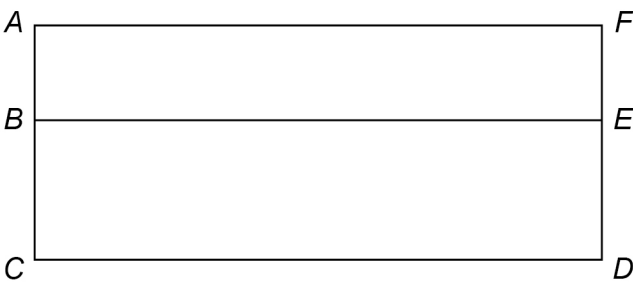
$AF = 10$ cm $AB = 2$ cm $BC = 4$ cm

Not drawn
accurately

Work out
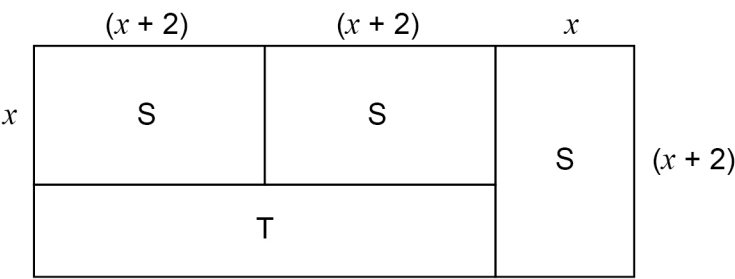
perimeter *ABEF* : perimeter *ACDF*

Give your answer in its simplest form.

[3 marks]

Answer _____ : _____

2   S and T are rectangles.

S has dimensions $(x + 2)$ and x.

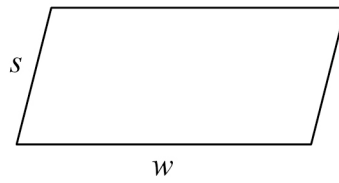Some of these rectangles make the larger rectangle shown.

Not drawn accurately

Work out an expression for the perimeter of T.

Give your answer in its simplest form.

[3 marks]

Answer _____

3   Here is a parallelogram.

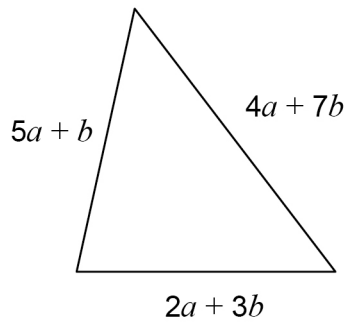Circle the expression for the **perimeter**.
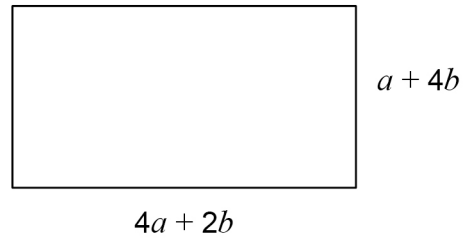
[1 mark]

$2s + 2w$ $s + w$ sw $2sw$

4   Here are a triangle and a rectangle.

Not drawn
accurately

$5a + b$

$4a + 7b$

$2a + 3b$

$a + 4b$

$4a + 2b$

a and b are positive numbers.

Which shape has the **larger** perimeter?

You **must** work out expressions for both perimeters.

[3 marks]

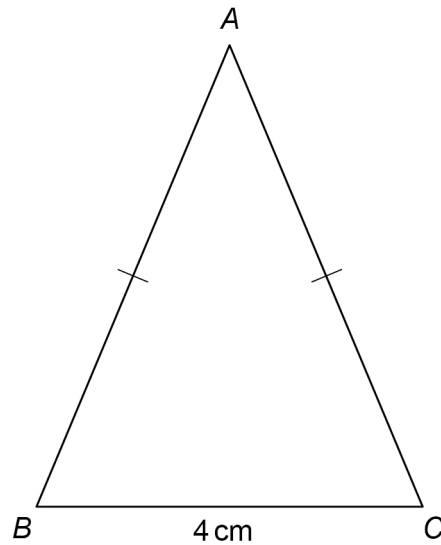Tick a box.

☐ triangle   ☐ rectangle   ☐ cannot tell

5   In this isosceles triangle,

$AB = AC$

Not drawn accurately

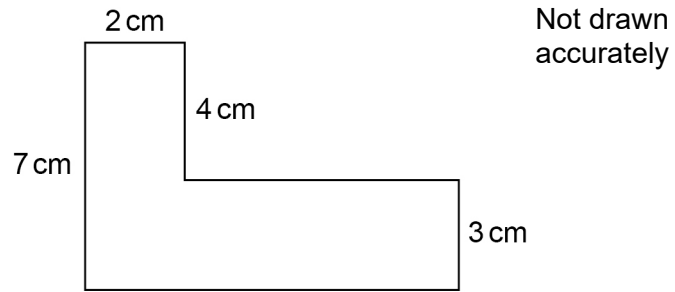The perimeter of the triangle is 22 cm

Work out the length of *AB*.

[3 marks]

_____

_____

_____

_____

_____

Answer _____ cm

6   The L-shape is made from rectangles.

2 cm

Not drawn
accurately

4 cm

7 cm

3 cm

The area is 44 cm^2
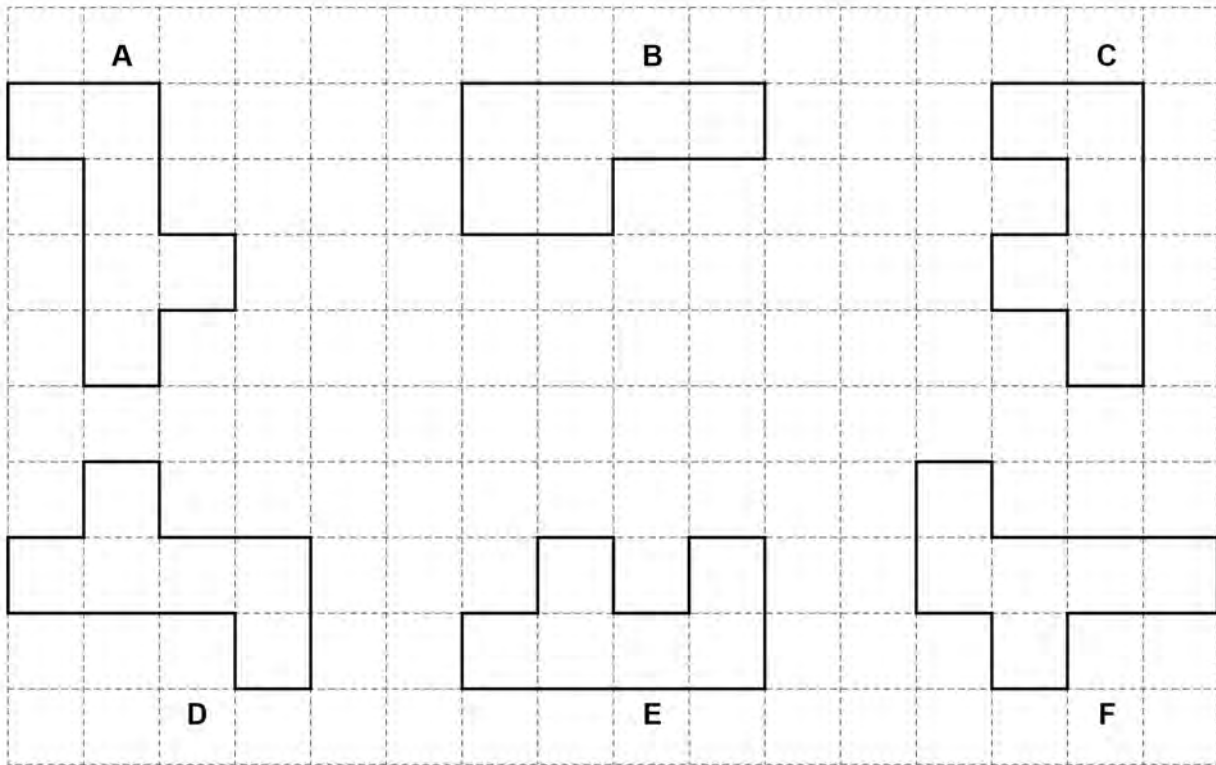
Work out the perimeter.

[3 marks]

Answer _____ cm
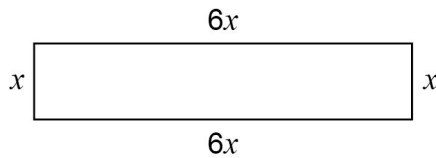
7   Here are some shapes.

Each shape has an area of six square centimetres.

7 (a)   Which has the bigger perimeter, shape **A** or shape **B**?

You **must** show the lengths of both perimeters.
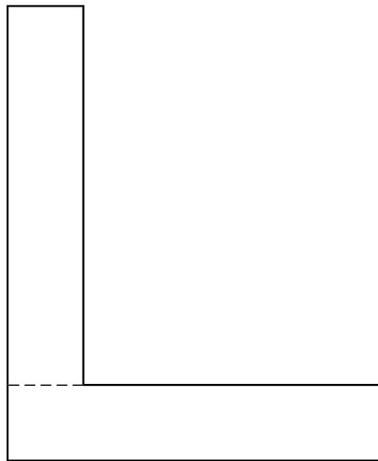
[2 marks

Answer _____

8   The length of this rectangle is 6 times the width.

$6x$

x x Not drawn accurately

$6x$

Two of these rectangles are joined, with no overlap, to make this L-shape.

Not drawn
accurately
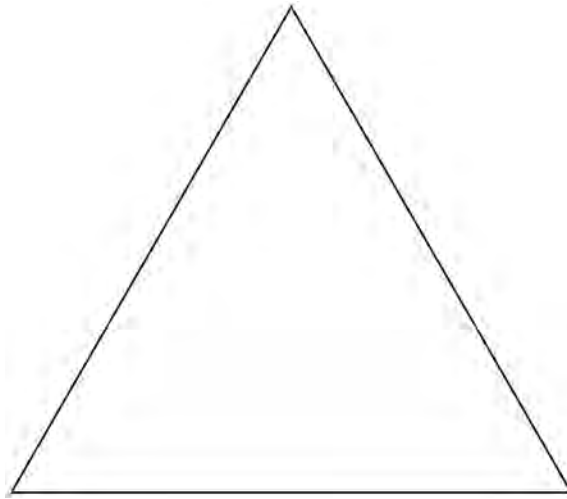
The perimeter of the L-shape is 98.8 cm

Work out the value of the perimeter of **one** of the rectangles.

[4 marks]

Answer _____ cm

9   Use a ruler for this question.

Here is an **accurate** drawing of an equilateral triangle.

By measuring, work out the perimeter of the triangle.

State the units of your answer.

[3 marks]

_____

_____

_____

Answer _____