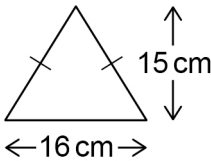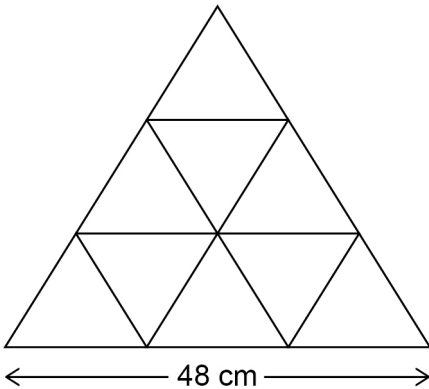**1**     An isosceles triangle has base 16 cm and perpendicular height 15 cm

15 cm

←16 cm→

Not drawn accurately

Some of these triangles are used to make a large triangle.
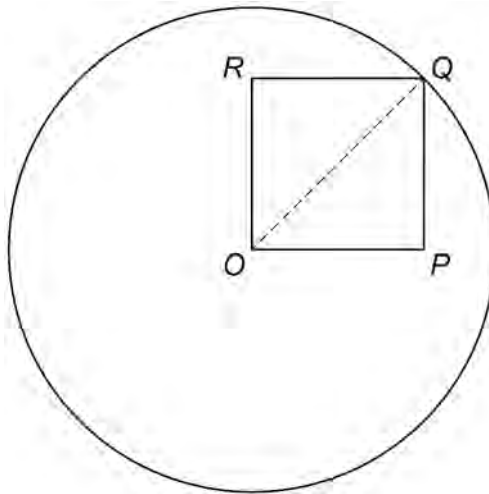
Not drawn accurately

←———— 48 cm ————→

Work out the perimeter of the large triangle.

**[4 marks]**

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Answer _____ cm

**2**    A circle, centre *O*, has circumference 20π cm

Q is a point on the circle.

*OPQR* is a **square**.

Not drawn
accurately



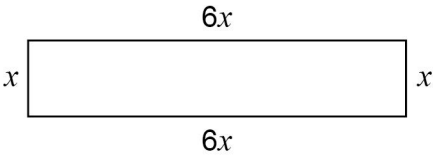perimeter of the square : circumference of the circle = $\sqrt{a}$ : π    where *a* is an integer.

Work out the value of *a*.

You **must** show your working.

**[4 marks**

_____

_____

_____

_____

_____

_____

_____

_____

*a* = _____

**3**     The length of this rectangle is 6 times the width.

6$x$

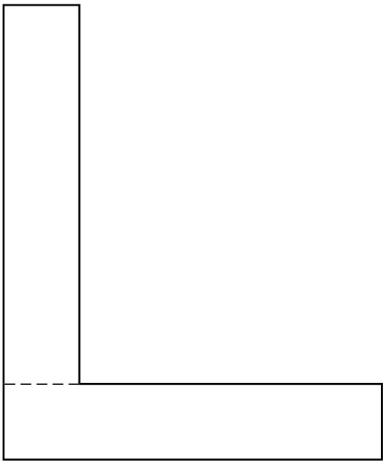$x$                                                    $x$          Not drawn
                                                              accurately

6$x$

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