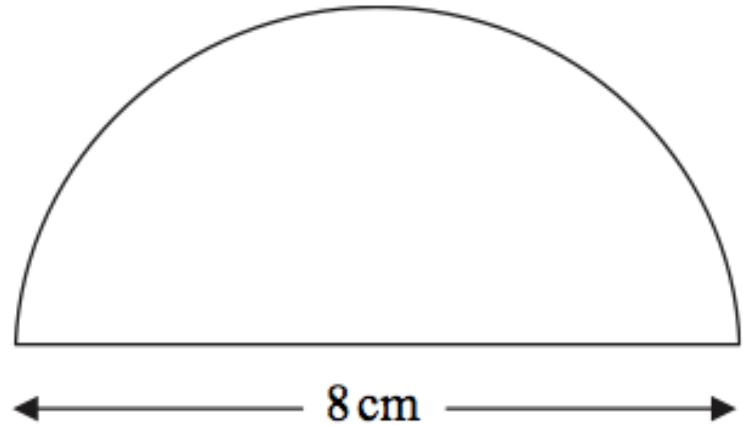


Geometry - Circle Circumference

Here is a tile in the shape of a semicircle.



The diameter of the semicircle is 8 cm.

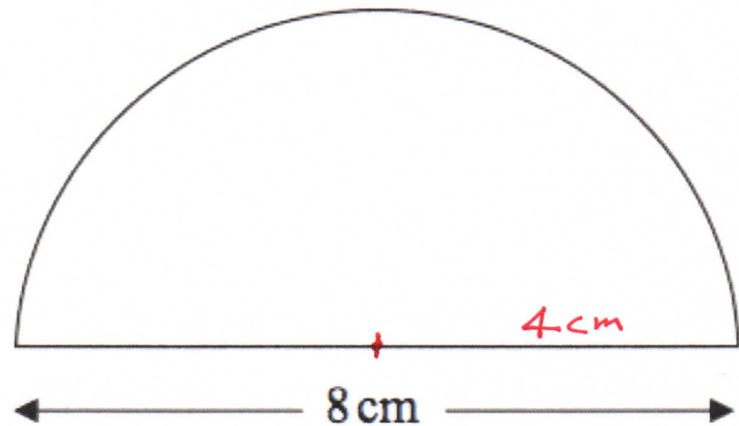
Work out the perimeter of the tile.

Give your answer correct to 2 decimal places.

(Total 3 marks)

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$$\text{Circle circumference} = 2\pi r$$

$$\text{Arc is semi-circle} = \frac{2\pi r}{2} = \pi r$$

$$\text{Perimeter} = \pi \times 4 + 8$$

$$\text{Perimeter} = 20.57 \text{ cm}$$