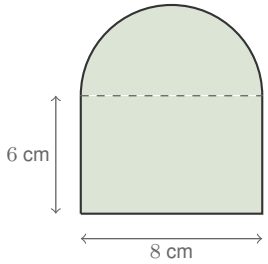
Take $\pi = 3.14$, or use the π key. Give answers to one decimal place.

1 Find the area of this shape. **Write down the area of each piece before you add them.**



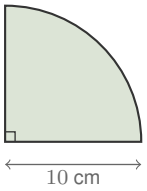
(a) the rectangle (1)

(b) the semicircle (2)

(c) the total area (1)

(4 marks)

2 Find the area of this quarter circle.

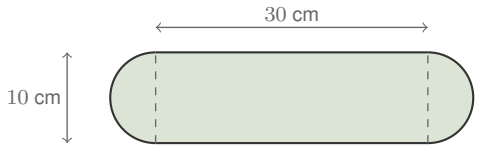


(a) Write down the fraction of a whole circle this is (1)

(b) Find the area (2)

(3 marks)

3 Find the area of this shape.



(a) the rectangle (1)

(b) **The two semicircles together make one whole circle.** Find its area. (2)

(c) the total area (1)

(4 marks)

4 A rectangle 12 cm by 5 cm has a quarter circle of radius 5 cm removed from one corner.

(a) Find the area of the rectangle (1)

(b) Find the area of the quarter circle (2)

(c) Find the area that is left (1)

(4 marks)