

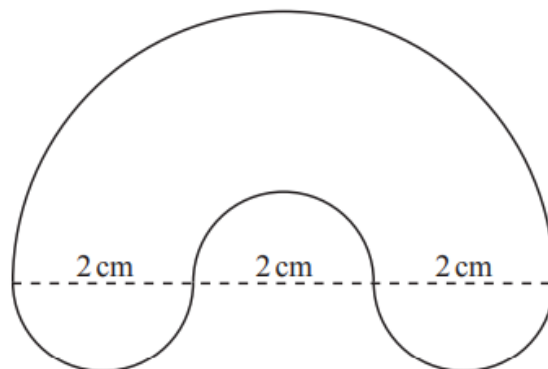
~~m4~~ = 6 days to go!

11 Solve

$$4 + 3(2x - 5) = x + 9$$

Answer $x =$ _____ [3]

23 A shape with four semicircular edges is shown.



Calculate the perimeter of the shape.

12 Solve $5t^2 - 8t - 11 = 0$

No marks will be awarded for using trial and improvement.

Give your answers correct to two decimal places.

Answer _____ [3]

14 $x^2 - 10x + 33 \equiv (x - a)^2 + b$

(a) Work out the value of a and the value of b

Answer $a =$ _____ , $b =$ _____ [3]

(b) What is the minimum value of $x^2 - 10x + 33$?

Answer _____ [1]