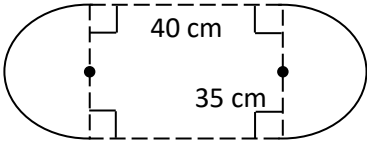
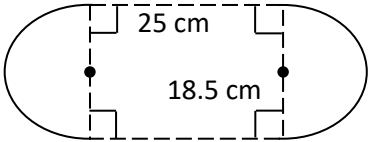
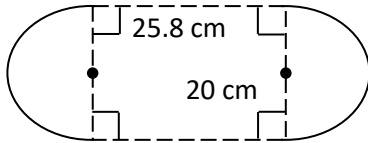
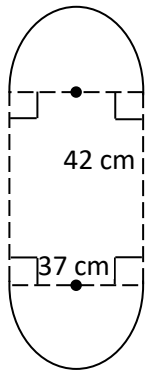
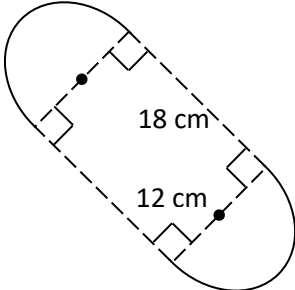
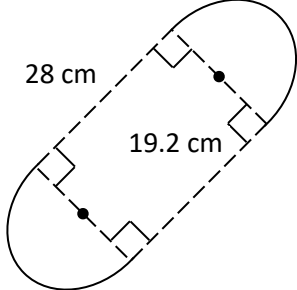
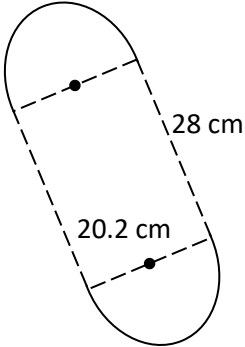
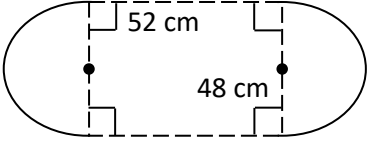
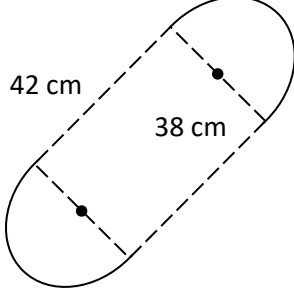


## MATHS WORKSHEETS- GEOMETRY- AREA AND PERIMETER OF SHAPES- RECTANGLE AND TWO SEMICIRCLES

Find the area and perimeter of the following figures correct to 2 decimal places.

<p>1.</p>  <p>Area: Perimeter:</p>	<p>2.</p>  <p>Area: Perimeter:</p>	<p>3.</p>  <p>Area: Perimeter:</p>
<p>4.</p>  <p>Area: Perimeter:</p>	<p>5.</p>  <p>Area: Perimeter:</p>	<p>6.</p>  <p>Area: Perimeter:</p>
<p>7.</p>  <p>Area: Perimeter:</p>	<p>8.</p>  <p>Area: Perimeter:</p>	<p>9.</p>  <p>Area: Perimeter:</p>

## MATHS WORKSHEETS- GEOMETRY- AREA AND PERIMETER OF SHAPES- RECTANGLE AND TWO SEMICIRCLES

### Answer Key:

$$\pi = 3.1416$$

$$\text{Area} = \text{Area of Rectangle} + 2 \times (\text{Area of semi-circle})$$

$$= l \times b + 2\left(\frac{1}{2}\pi r^2\right)$$

$$= l \times b + \pi r^2 \text{ sq. units}$$

$$\text{Perimeter} = 2 \times (\text{Perimeter of semi-circle}) + (2 \times l)$$

$$= 2 \times \pi r + (2l) \text{ units}$$

Qn 1

$$\begin{aligned} \text{Area} &= (40 \times 35) + (3.1416 \times 17.5 \times 17.5) \\ &= 2362.12 \text{ cm}^2 \end{aligned}$$

Qn 1

$$\begin{aligned} \text{Perimeter} &= (2 \times 3.1416 \times 17.5) + (2 \times 40) \\ &= 189.96 \text{ cm} \end{aligned}$$

	<b>Area</b>	<b>Perimeter</b>
1.	2362.12 cm <sup>2</sup>	189.96 cm
2.	731.30 cm <sup>2</sup>	108.12 cm
3.	830.16 cm <sup>2</sup>	114.43 cm
4.	2629.21cm <sup>2</sup>	200.24 cm
5.	329.10 cm <sup>2</sup>	73.70 cm
6.	827.13 cm <sup>2</sup>	116.32 cm
7.	886.07 cm <sup>2</sup>	119.46 cm
8.	4305.56 cm <sup>2</sup>	254.80 cm
9.	2730.12 cm <sup>2</sup>	203.38 cm