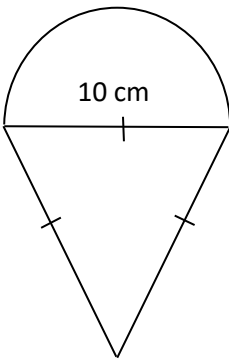
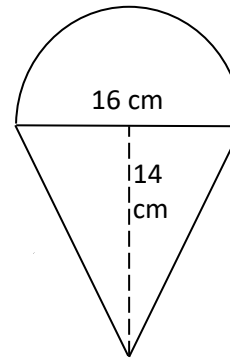
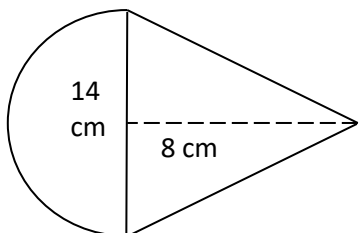
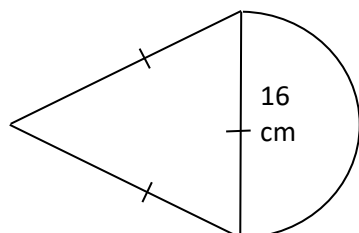
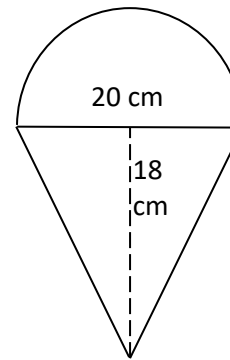
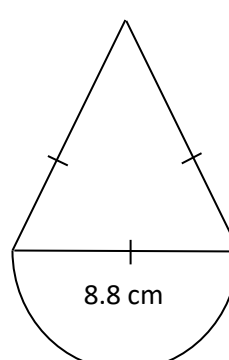
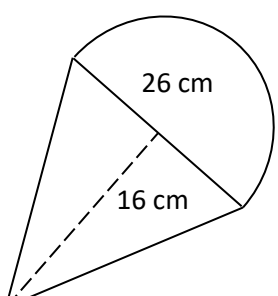
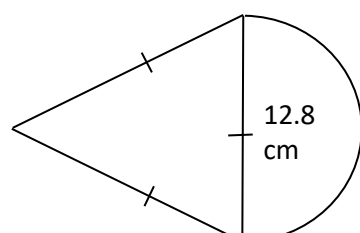
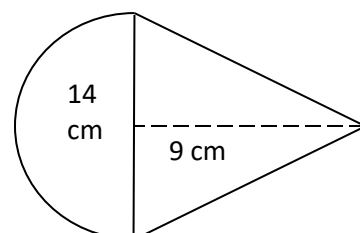


MATHS WORKSHEETS- GEOMETRY- AREA AND PERIMETER OF SHAPES- TRIANGLE & SEMICIRCLE

Calculate the area /perimeter of the following figures correct to three significant figures.

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

MATHS WORKSHEETS- GEOMETRY- AREA AND PERIMETER OF SHAPES- TRIANGLE & SEMICIRCLE

Answer Key:

Triangle & Semicircle

Question 1:

$$\begin{aligned}\text{Perimeter} &= \text{Perimeter of semicircle} + \text{side} + \text{side} \\ &= \pi r + s + s \\ &= (3.1416 \times 5) + (10 + 10) \\ &= 35.708 \text{ cm}\end{aligned}$$

Question 2:

$$\begin{aligned}\text{Area} &= \text{Area of semicircle} + \text{Area of Triangle} \\ &= \frac{\pi r^2}{2} + \frac{bh}{2} \\ &= \frac{1}{2}(\pi r^2 + bh) \\ &= \frac{1}{2}(3.1416 \times 8 \times 8) + (16 \times 14) \\ &= 324.53 \text{ cm}^2\end{aligned}$$

Answer Key:

1. 35.7 cm
2. 324 cm²
3. 189 cm²
4. 57.1 cm
5. 517 cm²
6. 31.4 cm
7. 681 cm²
8. 45.7 cm
9. 203 cm²