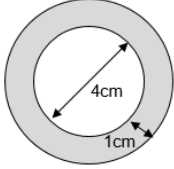
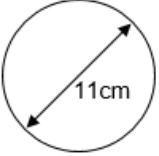
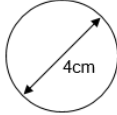
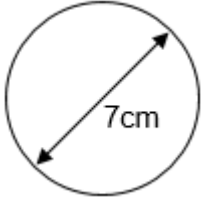
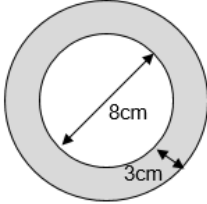
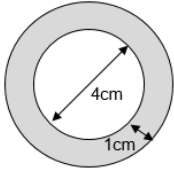
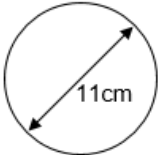
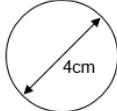
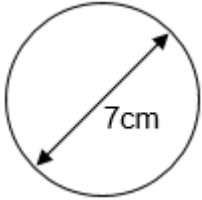
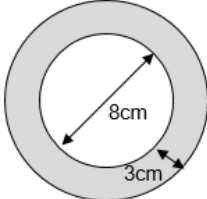




## Circles Review Worksheet

<p>A circle has a radius of 8cm. Calculate its area. Give your answer to 2dp.</p>	<p>Calculate the perimeter of a quarter circle with radius of 3cm. Give your answer to 2dp.</p>	<p>A circle has an area of <math>75.4\text{cm}^2</math>. Work out the circumference of the circle to 2dp.</p>	<p>Work out the area of a semi-circle whose radius is 8cm. Give your answer in terms of <math>\pi</math>.</p>
<p>Calculate the area of the annulus below. Give your answer to 2dp.</p> 	<p>Calculate the area of this circle. Give your answer to 3sf.</p> 	<p>The circumference of a circle is 50.27cm. Work out the length of the radius.</p>	<p>Here is a circle.</p>  <p>Without doing any calculations, explain how the area of a circle with diameter of 8cm would be different.</p>
<p>Calculate the circumference of this circle. Give your answer to 1dp.</p> 	<p>A circle has a circumference of <math>18\pi\text{cm}</math>. Work out the <b>exact</b> area of the circle.</p>	<p>Calculate the area of the annulus below. Give your answer in terms of <math>\pi</math>.</p> 	<p>Work out the area of a semi-circle whose base is 14cm. Give your answer in terms of <math>\pi</math>.</p>

## ANSWERS

<p>A circle has a radius of 8cm. Calculate its area. Give your answer to 2dp.</p> <p style="text-align: center;"><b>201.06cm<sup>2</sup></b></p>	<p>Calculate the perimeter of a quarter circle with radius of 3cm. Give your answer to 2dp.</p> <p style="text-align: center;"><b>10.71cm</b></p>	<p>A circle has an area of 75.4cm<sup>2</sup>. Work out the circumference of the circle to 2dp.</p> <p style="text-align: center;"><b>30.78cm</b></p>	<p>Work out the area of a semi-circle whose radius is 8cm. Give your answer in terms of <math>\pi</math>.</p> <p style="text-align: center;"><b>16<math>\pi</math></b></p>
<p>Calculate the area of the annulus below. Give your answer to 2dp.</p>  <p style="text-align: center;"><b>15.71cm<sup>2</sup></b></p>	<p>Calculate the area of this circle. Give your answer to 3sf.</p>  <p style="text-align: center;"><b>95.0cm<sup>2</sup></b></p>	<p>The circumference of a circle is 50.27cm. Work out the length of the radius.</p> <p style="text-align: center;"><b>8cm</b></p>	<p>Here is a circle.</p>  <p>Without doing any calculations, explain how the area of a circle with diameter of 8cm would be different.</p> <p style="text-align: center;"><b>Multiplied by 4. Length scale factor is 2, therefore the area scale factor is 2<sup>2</sup> = 4..</b></p>
<p>Calculate the circumference of this circle. Give your answer to 1dp.</p>  <p style="text-align: center;"><b>22.0cm</b></p>	<p>A circle has a circumference of 18<math>\pi</math>cm. Work out the <b>exact</b> area of the circle.</p> <p style="text-align: center;"><b>81<math>\pi</math> cm<sup>2</sup></b></p>	<p>Calculate the area of the annulus below. Give your answer in terms of <math>\pi</math>.</p>  <p style="text-align: center;"><b>33<math>\pi</math> cm<sup>2</sup></b></p>	<p>Work out the area of a semi-circle whose base is 14cm. Give your answer in terms of <math>\pi</math>.</p> <p style="text-align: center;"><b><math>\frac{49}{2}\pi</math> cm<sup>2</sup></b></p>