



# Match-Up

## Area of a Circle



<b>1</b>	Find the area of a circle with a radius of $11\text{ cm}$ , giving your answer to 1 decimal place.
<b>2</b>	Find the area of a circle with a diameter of $45\text{ cm}$ , giving your answer to the nearest $\text{cm}^2$ .
<b>3</b>	Find the area of a circle with a diameter of $3.5\text{ m}$ , giving your answer to 1 decimal place.
<b>4</b>	Find the area of a circle with a radius of $1.6\text{ m}$ , giving your answer to 1 decimal place.
<b>5</b>	A coin has a radius of $14\text{ mm}$ . Find the area of the coin to 1 decimal place.
<b>6</b>	The lid of a jam jar has a diameter of $86\text{ mm}$ . Find the area of the lid to the nearest $\text{mm}^2$ .
<b>7</b>	A roundabout has a diameter of $28\text{ metres}$ . Find the area of the roundabout to the nearest $\text{m}^2$ .
<b>8</b>	A circular pond has a radius of $5.5\text{ m}$ . Find the area of the pond to 1 decimal place.
<b>9</b>	Find the area of a semi-circle with a radius of $10\text{ cm}$ to 1 decimal place.
<b>10</b>	A semi-circular lawn has a diameter of $13\text{ m}$ . Find the area of the lawn to the nearest square metre.
<b>11</b>	A quarter circle has a radius of $48\text{ mm}$ . Find the area of the quarter circle to the nearest $\text{mm}^2$ .
<b>12</b>	A compound shape is made up of a semi-circle with diameter $12\text{ cm}$ attached to a rectangle with dimensions $12\text{ cm}$ by $15\text{ cm}$ . Find the total area to 1 decimal place.

<b>A</b>	$9.6\text{ m}^2$
<b>B</b>	$157.1\text{ cm}^2$
<b>C</b>	$615.8\text{ mm}^2$
<b>D</b>	$293.1\text{ cm}^2$
<b>E</b>	$616\text{ m}^2$
<b>F</b>	$380.1\text{ cm}^2$
<b>G</b>	$1810\text{ mm}^2$
<b>H</b>	$8.0\text{ m}^2$
<b>I</b>	$5809\text{ mm}^2$
<b>J</b>	$95.0\text{ m}^2$
<b>K</b>	$1590\text{ cm}^2$
<b>L</b>	$66.4\text{ m}^2$

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>F</b>	<b>K</b>	<b>A</b>	<b>H</b>	<b>C</b>	<b>I</b>	<b>E</b>	<b>J</b>	<b>B</b>	<b>L</b>	<b>G</b>	<b>D</b>