

# Match-Up

# Circumference of a Circle

<b>1</b>	Find the circumference of a circle with a diameter of $36\text{ cm}$ , giving your answer to 1 decimal place.
<b>2</b>	Find the circumference of a circle with a radius of $7.5\text{ cm}$ , giving your answer to 1 decimal place.
<b>3</b>	Find the circumference of a bicycle wheel with a radius of $33\text{ cm}$ , giving your answer to 1 decimal place.
<b>4</b>	A wheel has a diameter of $62\text{ cm}$ . Find the circumference of the wheel to 1 decimal place.
<b>5</b>	The radius of the Earth is $6400\text{ km}$ . Find the circumference of the Earth, to the nearest $100\text{ km}$ .
<b>6</b>	The diameter of the Moon is $3480\text{ km}$ . Find the circumference of the Moon, to the nearest $100\text{ km}$ .
<b>7</b>	A coin has a diameter of $24\text{ mm}$ . Find the circumference of the coin to the nearest $\text{mm}$ .
<b>8</b>	The radius of a button is $9\text{ mm}$ . Find the circumference of the button to the nearest $\text{mm}$ .
<b>9</b>	Find the arc length of a semi-circle with diameter $47\text{ cm}$ , giving your answer to 1 decimal place.
<b>10</b>	Find the arc length of the quarter circle with radius $10\text{ cm}$ , giving your answer to 1 decimal place.
<b>11</b>	A bicycle wheel with diameter $65\text{ cm}$ rotates through 1245 full turns, How far in metres has the bicycle travelled?
<b>12</b>	The diameter of the London Eye is $120\text{ m}$ . Work out the distance travelled by a pod in five full revolutions, to the nearest metre.

<b>A</b>	$40200\text{ km}$
<b>B</b>	$15.7\text{ cm}$
<b>C</b>	$47.1\text{ cm}$
<b>D</b>	$73.8\text{ cm}$
<b>E</b>	$75\text{ mm}$
<b>F</b>	$2541\text{ m}$
<b>G</b>	$113.1\text{ cm}$
<b>H</b>	$194.8\text{ cm}$
<b>I</b>	$10900\text{ km}$
<b>J</b>	$1884\text{ m}$
<b>K</b>	$57\text{ mm}$
<b>L</b>	$207.3\text{ cm}$

<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>G</b>	<b>C</b>	<b>L</b>	<b>H</b>	<b>A</b>	<b>I</b>	<b>E</b>	<b>K</b>	<b>D</b>	<b>B</b>	<b>F</b>	<b>J</b>