**Area and Circumference of Circle**

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| Name : | Class : | Date : |

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| **1)** Name the labelled parts of the circle below.  Choose from the following words: segment, sector, chord, circumference, centre, radius, diameter, arc   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | http://www.mathster.com/course/simgs/46986301408_1.png | |  | | --- | | 1. | | 2. | | 3. | | 4. | | 5. | | 6. | | 7. | | 8. | | | [1] |
| **2)** Estimate the area of the circle by counting unit squares        http://www.mathster.com/course/simgs/46986301408_2.png | [1] |
| **3)** Find the area of the circle pictured below, rounding your answer to 3 significant figures  http://www.mathster.com/course/simgs/46986301408_3.png | [1] |
| **4)** Find the area of the circle pictured below, rounding your answer to 3 significant figures  http://www.mathster.com/course/simgs/46986301408_4.png | [1] |
| **5)** The circumference of a circle is 8.1 cm. Find the area of the circle, rounding your answer to 3 significant figures. | [1] |
| **6)** The area of a circle is 3.4  . Find the circumference of the circle, rounding your answer to 3 significant figures. | [1] |
| **7)** Find the radius of a circle which has an area of 5.9 | [1] |
| **8)** Find the diameter of a circle which has an area of 35 | [1] |
| **9)** Find the circumference of the circle pictured below, rounding your answer to 3 significant figures  http://www.mathster.com/course/simgs/46986301408_5.png | [1] |
| **10)** Find the circumference of the circle pictured below, rounding your answer to 3 significant figures  http://www.mathster.com/course/simgs/46986301408_6.png | [1] |
| **11)** Find the radius of a circle, where the circumference is:         8.5 cm | [1] |
| **12)** Find the diameter of a circle, where the circumference is:         3.6 cm | [1] |

**Solutions for the assessment Area and Circumference of Circle**

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| **1)** 1 = diameter, 2 = circumference, 3 = chord, 4 = sector 5 = segment, 6 = arc, 7 = centre, 8 = radius | **2)** Area = 28 |
| **3)** Area = 211 | **4)** Area = 158 |
| **5)** Area = 5.22 | **6)** Circumference = 6.54 cm |
| **7)** Radius = 1.37 cm | **8)** Diameter = 6.68 cm |
| **9)** Circumference = 534 cm | **10)** Circumference = 59.7 cm |
| **11)** Radius = 1.35 cm | **12)** Diameter = 1.15 cm |