**Area and Circumference of Circle**

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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

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| http://www.mathster.com/course/simgs/46986301408_1.png |

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| 1.  |
| 2.  |
| 3.  |
| 4.  |
| 5.  |
| 6.  |
| 7.  |
| 8.  |

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      | [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 figureshttp://www.mathster.com/course/simgs/46986301408_3.png      | [1]   |
| **4)** Find the area of the circle pictured below, rounding your answer to 3 significant figureshttp://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  $cm^{2}$. 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  $cm^{2}$      | [1]   |
| **8)** Find the diameter of a circle which has an area of 35  $cm^{2}$      | [1]   |
| **9)** Find the circumference of the circle pictured below, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/46986301408_5.png      | [1]   |
| **10)** Find the circumference of the circle pictured below, rounding your answer to 3 significant figureshttp://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 = sector5 = segment, 6 = arc, 7 = centre, 8 = radius | **2)** Area = 28  $cm^{2}$ |
| **3)** Area = 211  $cm^{2}$ | **4)** Area = 158  $cm^{2}$ |
| **5)** Area = 5.22  $cm^{2}$ | **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 |