**Area of a Circle**

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| Name : | Class : | Date : |

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| **1)** Estimate the area of the circle by counting unit squares      http://www.mathster.com/course/simgs/14683217430_1.png | [1]   |
| **2)** Find the area of the circle pictured below, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/14683217430_2.png      | [1]   |
| **3)** Find the area of the circle pictured below, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/14683217430_3.png      | [1]   |
| **4)** Find the radius of a circle which has an area of 45  $cm^{2}$      | [1]   |
| **5)** Find the diameter of a circle which has an area of 7.3  $cm^{2}$      | [1]   |
| **6)** The radius of a circle is 38 cm. Find the area of the circle, rounding your answer to 3 significant figures.       | [1]   |
| **7)** The diameter of a circle is 154 cm. Find the area of the circle, rounding your answer to 3 significant figures.       | [1]   |

**Solutions for the assessment Area of a Circle**

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| **1)** Area = 13  $cm^{2}$ | **2)** Area = 4300  $cm^{2}$ |
| **3)** Area = 19.6  $cm^{2}$ | **4)** Radius = 3.78 cm |
| **5)** Diameter = 3.05 cm | **6)** Area = 4540  $cm^{2}$ |
| **7)** Area = 18600  $cm^{2}$ |  |