**Circles, Perimeters and Sectors**

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| **1)** Find the area of the semicircle, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/32303086046_1.png      | [1]   |
| **2)** Find the area of the three-quarter circle, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/32303086046_2.png      | [1]   |
| **3)** Find the area of the sector, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/32303086046_3.png       | [1]   |
| **4)** Find the arc length of the semicircle, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/32303086046_4.png       | [1]   |
| **5)** Find the arc length of the shape below, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/32303086046_5.png       | [1]   |
| **6)** Find the arc length of the sector shown below, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/32303086046_6.png       | [1]   |
| **7)** Find the perimeter of the semicircle, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/32303086046_7.png       | [1]   |
| **8)** Find the perimeter of the semicircle, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/32303086046_8.png       | [1]   |
| **9)** Find the perimeter of the three-quarter circle, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/32303086046_9.png       | [1]   |
| **10)** Find the perimeter of the shape below, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/32303086046_10.png       | [1]   |
| **11)** Find the area of the circle pictured below, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/32303086046_11.png      | [1]   |
| **12)** Find the radius of a circle which has an area of 98  $cm^{2}$      | [1]   |
| **13)** Find the circumference of the circle pictured below, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/32303086046_12.png      | [1]   |
| **14)** Find the radius of a circle, where the circumference is:       2.5 cm | [1]   |

**Solutions for the assessment Circles, Perimeters and Sectors**

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| **1)** Area = 22.7  $cm^{2}$ | **2)** Area = 4990  $cm^{2}$ |
| **3)** Area = 10.2  $cm^{2}$ | **4)** Arc length = 305 cm |
| **5)** Arc length = 8.95 cm | **6)** Arc length = 2.65 cm |
| **7)** Perimeter = 350 cm | **8)** Perimeter = 10.3 cm |
| **9)** Perimeter = 45.0 cm | **10)** Perimeter = 15.4 cm |
| **11)** Area = 21100  $cm^{2}$ | **12)** Radius = 5.59 cm |
| **13)** Circumference = 21.4 cm | **14)** Radius = 0.398 cm |