**Circles, Perimeters and Sectors**

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| **1)** Find the area of the semicircle, rounding your answer to 3 significant figures    http://www.mathster.com/course/simgs/104250868745_1.png | [1] |
| **2)** Find the area of the three-quarter circle, rounding your answer to 3 significant figures  http://www.mathster.com/course/simgs/104250868745_2.png | [1] |
| **3)** Find the area of the sector, rounding your answer to 3 significant figures   http://www.mathster.com/course/simgs/104250868745_3.png | [1] |
| **4)** Find the arc length of the semicircle, rounding your answer to 3 significant figures   http://www.mathster.com/course/simgs/104250868745_4.png | [1] |
| **5)** Find the arc length of the shape below, rounding your answer to 3 significant figures   http://www.mathster.com/course/simgs/104250868745_5.png | [1] |
| **6)** Find the arc length of the sector shown below, rounding your answer to 3 significant figures   http://www.mathster.com/course/simgs/104250868745_6.png | [1] |
| **7)** Find the perimeter of the semicircle, rounding your answer to 3 significant figures   http://www.mathster.com/course/simgs/104250868745_7.png | [1] |
| **8)** Find the perimeter of the semicircle, rounding your answer to 3 significant figures   http://www.mathster.com/course/simgs/104250868745_8.png | [1] |
| **9)** Find the perimeter of the three-quarter circle, rounding your answer to 3 significant figures   http://www.mathster.com/course/simgs/104250868745_9.png | [1] |
| **10)** Find the perimeter of the shape below, rounding your answer to 3 significant figures   http://www.mathster.com/course/simgs/104250868745_10.png | [1] |
| **11)** Find the area of the circle pictured below, rounding your answer to 3 significant figures  http://www.mathster.com/course/simgs/104250868745_11.png | [1] |
| **12)** Find the radius of a circle which has an area of 27 | [1] |
| **13)** Find the circumference of the circle pictured below, rounding your answer to 3 significant figures  http://www.mathster.com/course/simgs/104250868745_12.png | [1] |
| **14)** Find the radius of a circle, where the circumference is:         30 cm | [1] |

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

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| **1)** Area = 8370 | **2)** Area = 151 |
| **3)** Area = 92.6 | **4)** Arc length = 101 cm |
| **5)** Arc length = 4.56 cm | **6)** Arc length = 5.31 cm |
| **7)** Perimeter = 201 cm | **8)** Perimeter = 293 cm |
| **9)** Perimeter = 544 cm | **10)** Perimeter = 44.7 cm |
| **11)** Area = 21100 | **12)** Radius = 2.93 cm |
| **13)** Circumference = 616 cm | **14)** Radius = 4.77 cm |