**Circles, Perimeters and Sectors**

|  |  |  |
| --- | --- | --- |
| Name : | Class : | Date : |

|  |  |  |
| --- | --- | --- |
| Mark : | /14 | % |

|  |  |
| --- | --- |
| **1)** Find the area of the semicircle, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/2936644186_1.png      | [1]   |
| **2)** Find the area of the three-quarter circle, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/2936644186_2.png      | [1]   |
| **3)** Find the area of the sector, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/2936644186_3.png       | [1]   |
| **4)** Find the arc length of the semicircle, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/2936644186_4.png       | [1]   |
| **5)** Find the arc length of the shape below, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/2936644186_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/2936644186_6.png       | [1]   |
| **7)** Find the perimeter of the semicircle, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/2936644186_7.png       | [1]   |
| **8)** Find the perimeter of the semicircle, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/2936644186_8.png       | [1]   |
| **9)** Find the perimeter of the three-quarter circle, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/2936644186_9.png       | [1]   |
| **10)** Find the perimeter of the shape below, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/2936644186_10.png       | [1]   |
| **11)** Find the area of the circle pictured below, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/2936644186_11.png      | [1]   |
| **12)** Find the radius of a circle which has an area of 96  $cm^{2}$      | [1]   |
| **13)** Find the circumference of the circle pictured below, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/2936644186_12.png      | [1]   |
| **14)** Find the radius of a circle, where the circumference is:       55 cm | [1]   |

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

|  |  |
| --- | --- |
| **1)** Area = 10600  $cm^{2}$ | **2)** Area = 143  $cm^{2}$ |
| **3)** Area = 47.0  $cm^{2}$ | **4)** Arc length = 18.8 cm |
| **5)** Arc length = 124 cm | **6)** Arc length = 4.33 cm |
| **7)** Perimeter = 211 cm | **8)** Perimeter = 35.0 cm |
| **9)** Perimeter = 611 cm | **10)** Perimeter = 190 cm |
| **11)** Area = 227  $cm^{2}$ | **12)** Radius = 5.53 cm |
| **13)** Circumference = 55.3 cm | **14)** Radius = 8.75 cm |