**Semi-Circles & Circle Word Problems**



**AREA OF A SEMI-CIRCLE (half of a circle)**

 $Area= \frac{π∙r∙r}{2}$ or $\frac{1}{2}π∙r∙r$

***Reminder:*** Area is always in squared units (examples: $inches^{2}, feet^{2}, centimeters^{2}$)

**Find the area of each semi-circle. Use 3.14 for** $π$**. Show your work. Include a label with your answer.**

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| CCSS_C2_Ch8_L2_Reteach6.jpg | CCSS_C2_Ch8_L2_Reteach5.jpg |
| CCSS_C2_Ch8_L2_HW9.jpg | 122_7.jpg |
| **CIRCUMFERENCE**$$C=πd$$or$$C=2πr$$Image result for semi-circle with a labeled radius and diameter | **AREA**$$A=π∙r∙r$$or$$A=πr^{2}$$ |

**Read each problem carefully. Use 3.14 for** $π$**. Show your work. Round your answer to the nearest tenth. Include a label with your answer.**

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| Susan has a circular swimming pool. Thepool has a diameter of 26 feet. Find thecircumference of the pool.  | What is the area of the drumhead on thedrum shown below? CCSS_C2_Ch8_L2_PS2.jpg |
| Victor needs to buy mulch for the garden with the dimensions shown in the figure. For how much area does Victor need to buy mulch? CCSS_C2_Ch8_L2_PS3.jpg | A bicycle wheel has a radius of 10.5 inches. What is the circumference of the wheel? |