Activity 3 Assessment
Calculating Circle Measures

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Uses relationships among radius, diameter, and circumference to explain formulas for circumference	Calculates the diameter of a circle, given its circumference	Calculates the circumference of a circle, given its radius	Uses circumference formulas to solve problems
If I know the diameter, I can multiply by π to find the circumference. I can use the formula $C = \pi \times d$ to represent the relationship between circumference and diameter.	What is the diameter of a circle with circumference of 25.12 m? I know the circumference and need to find the diameter. $25.12 \div 3.14 = 8$ The diameter of circle is about 8 m.	What is the circumference of a circle with radius of 10 cm? I used the formula $C = \pi \times 2 \times r$. $3.14 \times 2 \times 10 = 62.8$ The circumference of the circle is about 62.8 cm.	What is the circumference of the largest circle that fits inside a 12-m by 18-m rectangle? I used the width of rectangle as the diameter of the circle. $3.14 \times 12 = 37.68$ The circumference of the largest circle is about 37.68 m.

Observations/Documentation