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| **Calculating Circle Measures** |
| Uses relationships among radius, diameter, and circumference to explain formulas for circumferenceIf I know the diameter, I can multiply by $π$ to find the circumference. I can use the formula *C* = $π$ × *d* to represent the relationship between circumference and diameter. | Calculates the diameter of a circle, given its circumference 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 ÷ 3.14 = 8The diameter of circle is about 8 m. | Calculates the circumference of a circle, given its radiusWhat is the circumference of a circle with radius of 10 cm?I used the formula *C* = $π$ × 2 × *r*. 3.14 × 2 × 10 = 62.8The circumference of the circle is about 62.8 cm. | Uses circumference formulas to solve problemsWhat 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 × 12 = 37.68The circumference of the largest circle is about 37.68 m. |
| **Observations/Documentation** |
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