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