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| **Calculating Circumference** |
| Uses relationships between 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 circumference of a circle, given its diameter What is the circumference of a circle with diameter of 8 m?I used the formula *C* = π × *d*.3.14 × 8 = 25.12The circumference of circle is 25.12 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* = 2 × π × *r*. 2 × 3.14 × 10 = 62.8The circumference of the circle is 62.8 cm. | Uses circumference formulas to solve problemsWhat is the circumference of a 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 37.68 m. |
| **Observations/Documentation** |
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