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| **Exploring Circles** |
| Understands the relationship between radius and diameter of a circleIf the diameter of a circle is 12 cm, what is its radius?Since the diameter is double the radius, then the radius is 12 ÷ 2, or 6 cm. | Understands relationships between radius, diameter, and circumference of a circleIf the radius of a circle is 6 cm, what is its circumference?I know that the circumference of a circle is about “6 and a bit” times its radius. So, the circumference is “6 and a bit” × 6, or about 37 cm. | Constructs circles given the radius, diameter, or circumferenceDraw a circle with a diameter of 12 cm.The radius is 12 ÷ 2, or 6 cm. I used a ruler to set the compass to 6 cm. Then, drew the circle. | Uses relationships between circle measures to solve problemsDetermine the circumference of a pizza with a diameter of 30 cm.I used the relationship circumference = diameter × “3 and a bit” to get a circumference of approximately 91 cm. |
| **Observations/Documentation** |
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