Shape and Space

Lesson 2 Assessment
Calculating Circumference

Calculating Circumference			
Uses relationships between radius, diameter, and circumference to explain formulas for circumference 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.	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 $C = \pi \times d$. $3.14 \times 8 = 25.12$ The circumference of circle is 25.12 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 $C = 2 \times \pi \times r$. $2 \times 3.14 \times 10 = 62.8$ The circumference of the circle is 62.8 cm.	Uses circumference formulas to solve problems What 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. $3.14 \times 12 = 37.68$ The circumference of the largest circle is 37.68 m.
Observations/Documentation			