

Related Practice

Math in Action Video: Cake Artistry

Cake Designer: Amanda Shafer

Directions: Complete the following activities to enhance your viewing of the Math in Action video and reinforce your understanding of math concepts.

Math in Action: Volume of a Cake

$$\text{Volume} = \pi r^2 h$$

A circular cake has a diameter of 10 inches and a height of 3 inches. What is the volume of the cake?



If the volume of one slice of this cake is 8 inches³, how many slices of cake can be cut from this cake?



Math in Action: Designing a Cake

Draw a design that could be used on a cake in quadrant 2. Reflect your design across the y-axis.

Draw another design for your cake in quadrant 1. Rotate your design 180° about the origin.

