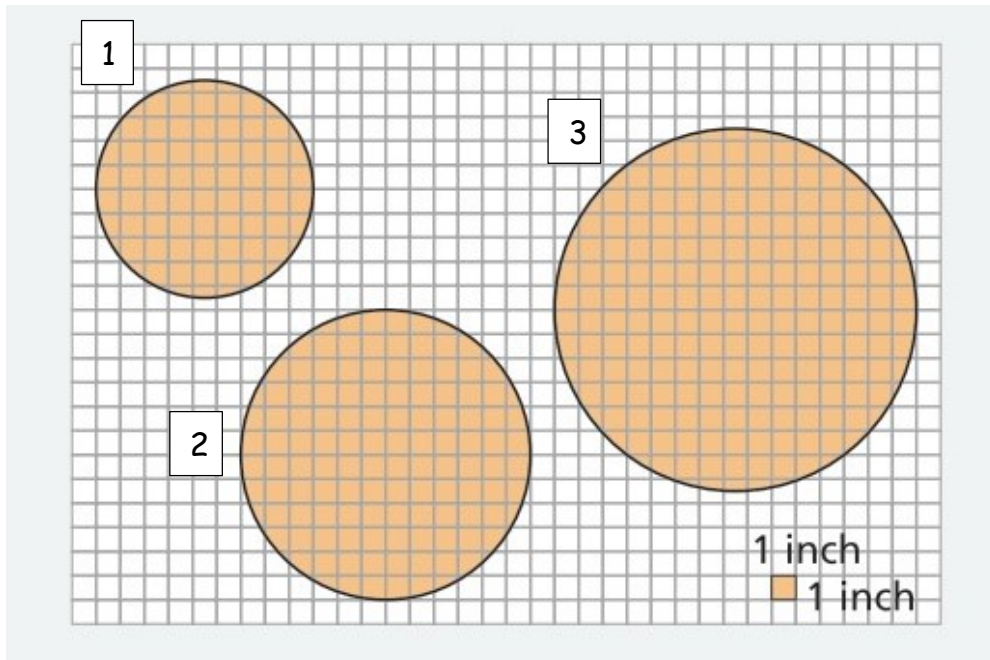


A. Use the scale models of the different size pizzas below to estimate the area of each pizza. Describe the method you used to find the area. Then try to estimate the area using a different method.



Estimates using my first method:

Pizza 1: _____ Pizza 2: _____ Pizza 3: _____

Describe the method you used here:

Estimates using my second method:

Pizza 1: _____ Pizza 2: _____ Pizza 3: _____

Describe the method you used here:

B. Fill in the table below. Record each pizza's diameter, radius and your estimate of its area.

Size	Diameter(in.)	Radius (in.)	Area (in. ²)
Small			
Medium			
Large			

C. Examine the data in the table and your strategies for finding area.

1. Do you see a pattern relating area to diameter or radius? If so describe it here.

2. What would be your best estimate for the area of a circle with a diameter of 18 inches.

_____ Explain how you found your answer.

D. Do you agree with the cook that changes in the diameter of the pizzas should be used to determine the price OR do you agree with the owner that changes in the area of the pizzas should be used to determine the price? COOK or OWNER
Circle your choice and then explain why.

The owner has decided that \$6 was a fair price for a small pizza. Based on your area estimations, what would be fair prices for medium and large pizzas? Explain your reasoning.