

Solve each problem; use a diagram to help if necessary

1. Borus Ballingtonacious installed a regular pentagon shaped bathtub in his bathroom. He wants to build a handrail around the edge of the tub. The outside edge of the tub measures a total of 25 feet. How many *inches* long will each section of railing be?
2. On the baseball field at Shea Stadium, the distance between the bases is 90 feet. After Carlos Beltran hits his first of many homeruns of the season (at home), how far will he travel around the bases?
3. While Mr. Powder was watching a movie on martial arts, he noticed that Jackie Chan used a peculiar object that was in the shape of a regular triangle. Jackie Chan used this object to cut through a rope that was holding a sandbag off of the floor. The object had a total perimeter of 4.8 inches. What was the length of one side of this object?
4. Mr. Powder realizes that sometimes he has to go outside in the “real world” and find objects that relate to math. So he went over to a STOP sign and measured one side of it, and its measurement was 9 inches long. What is the total distance around the stop sign in *inches and feet*?
5. George the Great Gorgonzola artist wanted to make the largest Sicilian style pizza with all of the trimmings. On the pizza he wanted to have a border of Gorgonzola cheese surrounding the pizza. Now since he wanted the pizza to be the largest in the world, the pizza was going to be 157 feet long and 336 feet wide. How much Gorgonzola cheese will George need to create this border?
 - a) in feet?
 - b) in inches?