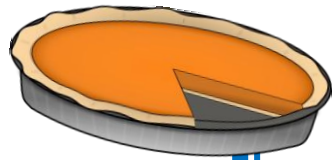


Pi Day Pie Problems



Use 3.14 for pi. Round your answers to the nearest tenth.

1. A pumpkin pie costs \$12.55 at Bobby's Bakery. If the pie has a diameter of 12 inches, what is the cost per square inch of the pie?
2. Pam served her apple pie on a 13 inch diameter dish. She wanted to tie a ribbon around the dish to make it a little more festive. How long does the ribbon need to be in order to fit around the dish?
3. How many square inches of crust would it take to cover the bottom of a pie dish with a 15 inch diameter?
4. Becca wants to make a giant cherry pie to try to break the world record. If she succeeds in making a pie with a 20 foot diameter, what will be the total distance around the pie?
5. Chris ate $\frac{1}{8}$ of a banana cream pie with a 14 inch diameter. What is the area of the remaining portion of the pie?

$$A = \pi r^2 \quad C = 2\pi r$$