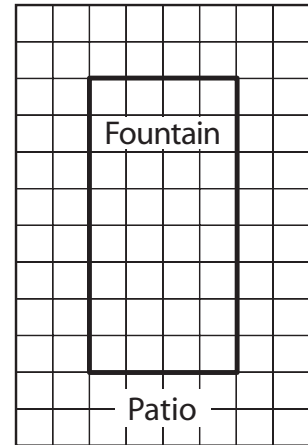


Find Area

TAKS Objective 4
TEKS 3.11C

The diagram at the right shows the design of a tiled patio. The patio surrounds a fountain in Jefferson Park. Each tile on the patio covers 1 square foot.



1. What is the area of the patio, in square feet?

2. What is the area of the fountain in square feet?

3. Which has the greater area, the patio or the fountain?
How much greater is it?

4. The new patio will have alternating black and white tiles. How many of each color tile should the city planners buy?

5. Each tile costs \$4. How much will it cost to replace all the tiles?

6. Suppose the city adds a border of blue tiles around the outside of the patio. The border will be 1 tile wide. The blue tiles are the same size as the tiles in the patio. How many tiles will be needed to make the border?
