Name _____   Date _____

Square Roots Word Problems Lesson

Mr. Mason was hired by Mrs. Green to tile her square-shaped bathroom. Mr. Mason is laying 676 square feet of tile. What is the length of one side of Mrs. Green's bathroom?

Explanation:

Square footage is determined by multiplying the length and width of the room.

Length x Width = Square Footage

Since the shape of a room is a square, the length and width must be equal measures.

This also means that by taken the square root of the square footage we can find the length or width of the room.

$\sqrt{\text{Square Footage}}$ = length or width of room.

$\sqrt{676}$ = 26 feet