Question

A bathroom has `10 6 inch tiles along its width` and `20 6 inch tiles along its length`. What is the square footage of the bathroom?

Summary

`Width tiles: 10 tiles of 6 inches each`
`Length tiles: 20 tiles of 6 inches each`

Goal:
The square footage of the bathroom.

Step-by-Step Explanation

Calculate the total width of the bathroom in inches: number of tiles × tile length = `10` * `6` = `60 inches` **1**

Convert the width from inches to feet: width in inches ÷ 12 = `60` / 12 = `5 feet` **2**

Calculate the total length of the bathroom in inches: number of tiles × tile length = `20` * `6` = `120 inches` **3**

Convert the length from inches to feet: length in inches ÷ 12 = `120` / 12 = `10 feet` **4**

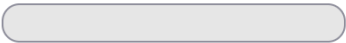Calculate the square footage of the bathroom: length × width = `10` * `5` = `50 sq feet` **5**

Final Answer: `50`

▶ Play   ■ Stop   ↱ Previous Step   ↳ Next Step

Is the final answer correct or incorrect?

Correct

Incorrect

Question 1 of 10
(Remaining: 10)