Wednesday 9th June 2021

Worded problems involving area.

Answer the following questions. Click the box on the right to select your answer.

1. A rectangle wall of length 10 m and width 6 m has to be painted. The cost of painting 1 m^2 of the wall is $8.

   a) What is the area of the wall?

   b) What is the cost of painting the wall?

2. Square tiles of side 2 m are used to cover a floor. The area of the floor is 32 m^2 and the cost of one tile is $80.

   a) What is the area of 1 tile?

   b) How many tiles are needed to cover the floor?

   c) What is the total cost of the tiles that are needed to cover the floor?

3. Mr. John bought 6 tiles to cover a floor. Each tile was a square of side 2 m. The floor had a length 8 m and width 4 m.

   a) What was the area of one tile?

   b) What was the area of the floor?

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c) What area of the floor did the six tiles cover?

d) How many more tiles did he need to cover the entire floor?

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