

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 m² 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 m² 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?

- c) What area of the floor did the six tiles cover?
- d) How many more tiles did he need to cover the entire floor?