

Name: _____

Solving Area Problems

Directions: Solve the area problems below.

1. Carl offered to pay Jake \$0.25 a square foot to paint his fence. The fence measures 100 feet long and 7 feet wide.
What is the total square footage of the fence?

How much will Jake get paid?

2. The school will repave the play yard at a cost of \$20.00 per square yard. The yard measures 100 yd by 100 yd.
What is the total square footage of the play yard?

How much will the paving cost?

3. We are going to paint the walls in our living room. Two walls measure 20 feet by 8 feet and two walls measure 20 feet by 8 feet.
What is the total wall area that will be painted?

If a gallon of paint covers 144 square feet, how many gallons will we need?

4. My little brother has a new playmat made up of 26 individual foam squares. Each piece is 1 square foot in size. If the mat were laid with all 26 pieces in a straight line, end to end, what would the perimeter be?

5. Carlos has a giant cube made of plastic in his room. Each side measures 3 20 inches. What is the surface area of Carlos's cube? Keep in mind how to find area and that there are multiple faces on a cube.