

Word Problems: Calculating Area

Answer the word problems involving area by using the area formula: **$A = L \times W$** .

Make sure you prove your answer with proof of your work.

1. A square name tag has sides that are 8 centimeters long. What is the name tag's area?
2. Billy decided he wanted to put new carpet in his bedroom. His bedroom measured 12 ft by 14 ft. What is the total amount of carpet he will need to cover this bedroom?
3. I have enough paint to cover a 24 square foot door. If the door measures 7 ft. by 3 ft., will I have enough paint to cover the entire door? Show your work and explain.