

Name _____ Date _____

Show ALL work. Use a separate sheet of paper if necessary.

1. Noah is installing wood molding (trim) for his new family room. The molding will go around the entire room. The molding costs \$3.00 per foot. If the room is 30 feet in length and 20 feet in width, what will be the total cost of the molding?

P or A How do you know? _____

Picture:

Calculate P or A: _____

Each foot costs \$3.00. What is the total cost? _____

2. Annie wants to build a wall around her garden. She has gotten an estimate that it will cost \$20.00 per foot to have the wall built. Her garden is 40 feet long and 15 feet wide. How much will the wall cost if it is built all around the outside of her garden?

P or A How do you know? _____

Picture:

Calculate P or A: _____

Each foot costs \$20.00. What is the total cost? _____

3. Aaron owns a bicycle and skateboard shop. He wants to install wood flooring in the showroom area of his shop. The showroom area is 40 feet long and 30 feet wide. The cost for the flooring is \$4.00 per square feet. How much will it cost Aaron to put wood flooring in his shop?

P or A How do you know? _____

Picture:

Calculate P or A: _____

Each square foot costs \$4.00. What is the total cost? _____

4. Gina wants to install new carpet in her living room. The room length is 20 feet and the width is 20 feet. If the cost of the carpet is \$10.00 per square foot, what will the total cost to carpet Gina's living room?

P or A How do you know? _____

Picture:

Calculate P or A: _____

Each square foot costs \$10.00. What is the total cost? _____

5. Maddi needs to rent an office building. He needs 10,000 square feet of space. If Maddi found a building to rent that is 81 feet by 102 feet, is this building large enough to meet her needs?

P or A How do you know? _____
Picture:

Calculate P or A: _____

Maddi needs 10,000 square feet of space. Is this building large enough? _____

6. Yaci wants to cover a rectangular wooden box that measures 19 feet by 21 feet. She needs a piece of cloth to cover the box. The cost of the cloth is \$30 per square foot. How much will it cost Yaci to cover the wooden box?

P or A How do you know? _____
Picture:

Calculate P or A: _____

Each square foot costs \$30. What is the total cost? _____

7. The community of Nathanland is building a new recreational field and wants to put a fence around it. Fencing costs \$9.00 per meter. How much will it cost to fence the 75 meter by 40 meter field?

P or A How do you know? _____
Picture:

Calculate P or A: _____

Each meter costs \$9.00. What is the total cost? _____

8. Evelyn is painting her room, which has four walls that each measure 10 feet high and 12 feet long. If one gallon of paint covers 60 square feet, how many gallons of paint will Evelyn need to paint all four walls in her room?

P or A How do you know? _____
Picture:

Calculate P or A for one wall: _____

There are 4 walls in her room. What is the total square footage for all four walls? _____

Each gallon of paint covers 60 square feet. How many gallons will she need? _____