

Area Review Worksheet

Name: _____

Date: _____

Period: _____

Solve the problems using the following formulas:

Area of a square = Side * Side

Area of a Rectangle = Length * Width

Area of a Triangle = Base * Height \ 2

1. Calculate the area of a square if one side is equal to 4 inches.
2. Calculate the area of a triangle if the base is 3 inches and the height is 6 inches.
3. Calculate the amount of grass needed for a yard in the shape of a rectangle with a length of 75 feet and a width of 50 feet.
4. Calculate the area of a triangle with a base of 6.5 inches and a height of 4 inches.
5. A yard is in the shape of a triangle with a base of 45 feet and a height of 55 feet. If a person is willing to pay \$45.00 per square foot for land, what is the yard worth?
6. A piece of property is in the shape of a rectangle with a length of 34 feet and a width of 23 feet. Tom is willing to pay \$34.00 per square foot for land. How much is the property worth?
7. A house is in the shape of a rectangle with a length of 23 feet and a width of 55 feet. How many square feet are in the house?

8. A house is in the shape of a rectangle with dimensions of 44 feet by 23 feet. Tom will build the house for \$52.00 per square foot. How much will the house cost?
9. A house is in the shape of a square with the dimension of one side being 45 feet. Bill will build the house for \$45.00 per square foot. How much will the house cost?
10. Tom is responsible for putting grass down in a yard in the shape of a triangle. The base of the triangle is 45 feet and the height is 33 feet. How many square feet of grass will Tom need?
11. Calculate the area of a square with a side of 6.4 inches.
12. Bill is responsible for building a rectangular house with the dimensions of 56 feet by 34 feet. The cost to build the house is \$45.00 per square foot. Bill wants to make \$10,000 profit on the job. What will Bill charge for the house?
13. Tom is responsible for building a rectangular house with the dimensions of 45 feet by 23 feet. The cost to build the house is \$34.00 per square foot. Tom wants to make \$8,000 profit on the job. What will Tom charge for the house?
14. Ken is responsible for building a rectangular house with the dimensions of 43 feet by 66 feet. The cost to build the house is \$44.00 per square foot. Ken wants to make \$5,000 profit on the house. What will be the cost of the house?
15. Calculate the cost of a house with rectangular dimensions of 44 feet by 23 feet if the total cost is \$46.00 per square foot.

Data Chart

Name: _____

Date: _____

Period: _____

Measurement one:

Length: _____

Width: _____

Perimeter: _____

Area: _____

Measurement two:

Length: _____

Width: _____

Perimeter: _____

Area: _____

Show Calculations:

Measurement One:

Measurement Two:

In paragraph form, explain why the perimeters for the two measurements are the same, but the areas are not the same.

Group Activity Evaluation Form

Name of student evaluated: _____

Evaluate each area using a scale of 1-5.

- 5----Excellent
- 4----Good
- 3----Average
- 2----Poor
- 1----Unacceptable

- _____ 1. The student worked cooperatively with other group members.
- _____ 2. The student completed the task assigned.
- _____ 3. Materials and time were used efficiently.
- _____ 4. The student took a roll in completing the task.
- _____ 5. The student was prepared to participate in the activity.

Group Activity Evaluation Form

Name of student evaluated: _____

Evaluate each area using a scale of 1-5.

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