Comparing Measurement with Tables and Equations

Name:

Solve each problem.

1) Two contractors are bidding on building a house. Contractor A's price is represented in the table below. Contractor B's price is represented by an equation, with y representing the total price and x representing the square feet of the house.

Contractor A

Square Feet	Total Price ($)
1325	1477
168,275	187,579

Contractor B

y = 110x

Find the total price you'd get from building a 1,867 sq/ft house from the cheapest contractor.

2) Two companies are selling sugar by the pound. The cost of sugar for Company A is represented in the table below, while the cost for Company B is represented by an equation, with y representing the total cost in dollars for x pounds of sugar.

Company A

Total Pounds	Total Cost ($)
12	19
3.60	5.70

Company B

y = 0.28x

Find the total cost in dollars of buying 19 pounds of sugar from the more expensive company.

3) Two junk yards offered money for scrap metal. Junk Yard A's price is represented in the table below. Junk Yard B's price is represented by an equation, with y representing the total price and x representing the pounds of metal recycled.

Junk Yard A

Pounds	Total Price ($)
1082	1576
249,942.00	364,056.00

Junk Yard B

y = 160.00x

What is the difference in the price per pound between junk yard A and junk yard B?

Answers

1. _____
2. _____
3. _____

Comparing Measurement with Tables and Equations Name: **Answer Key**

Solve each problem.

1) Two contractors are bidding on building a house. Contractor A's price is represented in the table below. Contractor B's price is represented by an equation, with y representing the total price and x representing the square feet of the house.

Contractor A

Square Feet	Total Price ($)
1325	1477
168,275	187,579

y = 127x

Contractor B

y = 110x

Find the total price you'd get from building a 1,867 sq/ft house from the cheapest contractor.

2) Two companies are selling sugar by the pound. The cost of sugar for Company A is represented in the table below, while the cost for Company B is represented by an equation, with y representing the total cost in dollars for x pounds of sugar.

Company A

Total Pounds	Total Cost ($)
12	19
3.60	5.70

y = 0.30x

Company B

y = 0.28x

Find the total cost in dollars of buying 19 pounds of sugar from the more expensive company.

3) Two junk yards offered money for scrap metal. Junk Yard A's price is represented in the table below. Junk Yard B's price is represented by an equation, with y representing the total price and x representing the pounds of metal recycled.

Junk Yard A

Pounds	Total Price ($)
1082	1576
249,942.00	364,056.00

y = 231.00x

Junk Yard B

y = 160.00x

What is the difference in the price per pound between junk yard A and junk yard B?

Answers

1. 205,370
2. 5.7
3. 71