Comparing Measurement with Tables and Equations Name:

Solve each problem.

1) 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 ($)
1358	1244
233,576.00	213,968.00

Junk Yard B

y = 217.00x

Find the total price you'd get from recycling 1,982 pounds of metal at the cheapest junk yard.

2) 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 ($)
1183	1444
152,607	186,276

Contractor B

y = 130x

Find the total price you'd get from building a 1,664 sq/ft house from the more expensive contractor.

3) 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 ($)
13	14
2.60	2.80

Company B

y = 0.28x

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

Answers

1. _____
2. _____
3. _____

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

Solve each problem.

1) 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 ($)
1358	1244
233,576.00	213,968.00

y = 172.00x

Junk Yard B

y = 217.00x

Find the total price you'd get from recycling 1,982 pounds of metal at the cheapest junk yard.

2) 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 ($)
1183	1444
152,607	186,276

y = 129x

Contractor B

y = 130x

Find the total price you'd get from building a 1,664 sq/ft house from the more expensive contractor.

3) 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 ($)
13	14
2.60	2.80

y = 0.20x

Company B

y = 0.28x

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

Answers

1. 340,904
2. 216,320
3. 0.08