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 ($)
1113	1074
235,956.00	227,688.00

Junk Yard B

y = 215.00x

Find the total price you'd get from recycling 1,107 pounds of metal at the cheapest junk yard.

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 ($)
16	12
3.68	2.76

Company B

y = 0.20x

Find the total cost in dollars of buying 13 pounds of sugar from the more expensive company.

3) Two companies are selling boxes of candy. The pieces of candy you get from Company A is represented in the table below. The pieces of candy you get per box from Company B is represented by an equation, with y representing the total number of pieces for x boxes.

Company A

Total Boxes	Total Pieces
16	12
400	300

Company B

y = 21x

What is the difference in the number of pieces per box 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 ($)
1113	1074
235,956.00	227,688.00

y = 212.00x

Junk Yard B

y = 215.00x

Find the total price you'd get from recycling 1,107 pounds of metal at the cheapest junk yard.

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 ($)
16	12
3.68	2.76

y = 0.23x

Company B

y = 0.20x

Find the total cost in dollars of buying 13 pounds of sugar from the more expensive company.

3) Two companies are selling boxes of candy. The pieces of candy you get from Company A is represented in the table below. The pieces of candy you get per box from Company B is represented by an equation, with y representing the total number of pieces for x boxes.

Company A

Total Boxes	Total Pieces
16	12
400	300

y = 25x

Company B

y = 21x

What is the difference in the number of pieces per box between Company A and Company B?

Answers

1. 234,684
2. 2.99
3. 4