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 ($)
1337	1176
320,880.00	282,240.00

Junk Yard B

y = 164.00x

Find the total price you'd get from recycling 1,131 pounds of metal at the cheapest junk yard.

2) 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
17	15
459	405

Company B

y = 25x

Find the total number of pieces you'd get from buying 20 boxes of candy from the company with the most pieces per box.

3) 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 ($)
1341	1763
156,897	206,271

Contractor B

y = 123x

What is the difference in the price per square foot between contractor A and contractor 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 ($)
1337	1176
320,880.00	282,240.00

y = 240.00x

Junk Yard B

y = 164.00x

Find the total price you'd get from recycling 1,131 pounds of metal at the cheapest junk yard.

2) 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
17	15
459	405

y = 27x

Company B

y = 25x

Find the total number of pieces you'd get from buying 20 boxes of candy from the company with the most pieces per box.

3) 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 ($)
1341	1763
156,897	206,271

y = 117x

Contractor B

y = 123x

What is the difference in the price per square foot between contractor A and contractor B?

Answers

1. 185,484
2. 540
3. 6