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 ($)
1692	3,265.56
1615	3,116.95

Junk Yard B

$y = 2.07x$

Find the total price you'd get from recycling 1531 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
13	312
15	360

Company B

$y = 22x$

Find the total number of pieces you'd get from buying 10 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 ($)
1404	154,440
1021	112,310

Contractor B

$y = 121x$

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

1. _____

2. _____

3. _____

Math

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 ($)
1692	3,265.56
1615	3,116.95

y = 1.93x

Junk Yard B
y = 2.07x

Find the total price you'd get from recycling 1531 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
13	312
15	360

y = 24x

Company B
y = 22x

Find the total number of pieces you'd get from buying 10 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 ($)
1404	154,440
1021	112,310

y = 110x

Contractor B
y = 121x

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

Math