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 ($)
1790	3,150.40
1786	3,143.36

    Junk Yard B
    y = 1.99x

    Find the total price you'd get from recycling 1,184 pounds of metal at the cheapest junk
    yard.

2) Two companies are selling electricity by Kilo-watt hour. The cost of electricity 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 kilowatt hours.

    Company A

Total Kilowatt-Hours	Total Cost ($)
1107	143.91
1229	159.77

    Company B
    y = 0.09x

    Find the total cost in dollars of buying 1,117 kilowatt hours of electricity from the more
    expensive company.

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 ($)
18	5.22
14	4.06

    Company B
    y = 0.22x

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

1. _____

2. _____

3. _____

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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 ($)**
1790	3,150.40
1786	3,143.36

y = 1.76x

Junk Yard B

y = 1.99x

Find the total price you'd get from recycling 1,184 pounds of metal at the cheapest junk yard.

1.   **2,083.84**

2) Two companies are selling electricity by Kilo-watt hour. The cost of electricity 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 kilowatt hours.

Company A	
Total Kilowatt-Hours	**Total Cost ($)**
1107	143.91
1229	159.77

y = 0.13x

Company B

y = 0.09x

Find the total cost in dollars of buying 1,117 kilowatt hours of electricity from the more expensive company.

2.   **145.21**

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 ($)**
18	5.22
14	4.06

y = 0.29x

Company B

y = 0.22x

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

3.   **0.07**

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