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 ($)
1990	4,198.90
1664	3,511.04

Junk Yard B

y = 2.09x

Find the total price you'd get from recycling 1,331 pounds of metal at the cheapest junk yard.

2) Two companies are selling beef jerky by the pound. The cost of jerky 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 jerky.

Company A

Total Pounds	Total Cost ($)
19	323.00
18	306.00

Company B

y = 10.00x

Find the total cost in dollars of buying 13 pounds of jerky 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 ($)
10	2.60
17	4.42

Company B

y = 0.30x

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

Answers

1. _____
2. _____
3. _____

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 ($)
1990	4,198.90
1664	3,511.04

y = 2.11x

Junk Yard B

y = 2.09x

Find the total price you'd get from recycling 1,331 pounds of metal at the cheapest junk yard.

2) Two companies are selling beef jerky by the pound. The cost of jerky 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 jerky.

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Total Pounds	Total Cost ($)
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y = 17.00x

Company B

y = 10.00x

Find the total cost in dollars of buying 13 pounds of jerky 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 ($)
10	2.60
17	4.42

y = 0.26x

Company B

y = 0.30x

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

Answers

1. 2,781.79
2. 221
3. 0.04