Solve each problem.

1) 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 ($)
18	270.00
20	300.00

Company B

y = 14.00x

Find the total cost in dollars of buying 17 pounds of jerky from the cheapest company.

2) 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 ($)
1359	2,813.13
1274	2,637.18

Junk Yard B

y = 2.05x

Find the total price you'd get from recycling 1,815 pounds of metal at the more expensive junk yard.

3) 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 ($)
1282	141.02
1196	131.56

Company B

y = 0.09x

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

Answers

1. _____
2. _____
3. _____

Solve each problem.

1) 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 ($)
18	270.00
20	300.00

y = 15.00x

Company B

y = 14.00x

Find the total cost in dollars of buying 17 pounds of jerky from the cheapest company.

2) 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 ($)
1359	2,813.13
1274	2,637.18

y = 2.07x

Junk Yard B

y = 2.05x

Find the total price you'd get from recycling 1,815 pounds of metal at the more expensive junk yard.

3) 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 ($)
1282	141.02
1196	131.56

y = 0.11x

Company B

y = 0.09x

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

Answers

1. 238
2. 3,757.05
3. 0.02