Solve each problem.

1) 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
11	253
18	414

Company B

y = 20x

Find the total number of pieces you'd get from buying 14 boxes of candy from the company with the fewest pieces per box.

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 ($)
1024	1,812.48
1795	3,177.15

Junk Yard B

y = 2.49x

Find the total price you'd get from recycling 1,731 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 ($)
1380	193.20
1161	162.54

Company B

y = 0.13x

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 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
11	253
18	414

y = 23x

Company B

y = 20x

Find the total number of pieces you'd get from buying 14 boxes of candy from the company with the fewest pieces per box.

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 ($)
1024	1,812.48
1795	3,177.15

y = 1.77x

Junk Yard B

y = 2.49x

Find the total price you'd get from recycling 1,731 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 ($)
1380	193.20
1161	162.54

y = 0.14x

Company B

y = 0.13x

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

Answers

1. 280
2. 4,310.19
3. 0.01