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
20	580
13	377

Company B

y = 28x

Find the total number of pieces you'd get from buying 12 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 ($)
1730	3,996.30
1064	2,457.84

Junk Yard B

y = 2.47x

Find the total price you'd get from recycling 1,797 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 ($)
1327	119.43
1301	117.09

Company B

y = 0.10x

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
20	580
13	377

y = 29x

Company B

y = 28x

Find the total number of pieces you'd get from buying 12 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 ($)
1730	3,996.30
1064	2,457.84

y = 2.31x

Junk Yard B

y = 2.47x

Find the total price you'd get from recycling 1,797 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 ($)
1327	119.43
1301	117.09

y = 0.09x

Company B

y = 0.10x

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

Answers

1. **336**
2. **4,438.59**
3. **0.01**