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
15	390
10	260

Company B

y = 23x

Find the total number of pieces you'd get from buying 18 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 ($)
1759	3,218.97
1092	1,998.36

Junk Yard B

y = 2.24x

Find the total price you'd get from recycling 1,431 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 ($)
1346	161.52
1301	156.12

Company B

y = 0.11x

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
15	390
10	260

y = 26x

Company B

y = 23x

Find the total number of pieces you'd get from buying 18 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 ($)
1759	3,218.97
1092	1,998.36

y = 1.83x

Junk Yard B

y = 2.24x

Find the total price you'd get from recycling 1,431 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 ($)
1346	161.52
1301	156.12

y = 0.12x

Company B

y = 0.11x

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

Answers

1. 414
2. 3,205.44
3. 0.01