



Solve each problem.

Answers

- 1) 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 (\$)
1450	130.50
1492	134.28

Company B

$$y = 0.14x$$

1. _____

2. _____

3. _____

Find the total cost in dollars of buying 1,342 kilowatt hours of electricity from the cheapest company.

- 2) 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
18	414
15	345

Company B

$$y = 24x$$

Find the total number of pieces you'd get from buying 15 boxes of candy from the company with the most pieces per box.

- 3) 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 (\$)
1075	2,687.50
1859	4,647.50

Junk Yard B

$$y = 1.90x$$

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



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Company A

Total Kilowatt-Hours	Total Cost (\$)
1450	130.50
1492	134.28

$$y = 0.09x$$

Company B

$$y = 0.14x$$

Find the total cost in dollars of buying 1,342 kilowatt hours of electricity from the cheapest company.

- 2) 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
18	414
15	345

$$y = 23x$$

Company B

$$y = 24x$$

Find the total number of pieces you'd get from buying 15 boxes of candy from the company with the most pieces per box.

- 3) 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 (\$)
1075	2,687.50
1859	4,647.50

$$y = 2.50x$$

Junk Yard B

$$y = 1.90x$$

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

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