



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 (\$)
1060	159.00
1499	224.85

**Company B**

$$y = 0.15x$$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

Find the total cost in dollars of buying 1,346 kilowatt hours of electricity from the cheapest company.

- 2) 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 (\$)
10	100.00
14	140.00

**Company B**

$$y = 28.00x$$

Find the total cost in dollars of buying 15 pounds of jerky from the more expensive company.

- 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 (\$)
1602	3,107.88
1805	3,501.70

**Junk Yard B**

$$y = 1.80x$$

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



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$$y = 0.15x$$

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**Company A**

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10	100.00
14	140.00

$$y = 10.00x$$

**Company B**

$$y = 28.00x$$

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**Junk Yard A**

Pounds	Total Price (\$)
1602	3,107.88
1805	3,501.70

$$y = 1.94x$$

**Junk Yard B**

$$y = 1.80x$$

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

**Answers**1. 201.92. 4203. 0.14