Solve each problem.

Answers

1. _____

2. _____

3. _____

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

$y = 0.15x$

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?

1-3 | 67 | 33 | 0

Solve each problem.

Answers

1. 201.9
2. 420
3. 0.14

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

y = 0.15x

Company B

y = 0.15x

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

y = 10.00x

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

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?