



Solve each problem.

**Answers**

- 1) 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 (\$)
1119	1,756.83
1041	1,634.37

**Junk Yard B**

$$y = 1.96x$$

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

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

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

Find the total price you'd get from recycling 1,847 pounds of metal at the cheapest junk yard.

- 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 (\$)
19	456.00
10	240.00

**Company B**

$$y = 10.00x$$

Find the total cost in dollars of buying 16 pounds of jerky from the more expensive company.

- 3) Two companies are selling sugar by the pound. The cost of sugar 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 sugar.

**Company A**

Total Pounds	Total Cost (\$)
10	2.70
16	4.32

**Company B**

$$y = 0.20x$$

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



Solve each problem.

- 1) 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 (\$)
1119	1,756.83
1041	1,634.37

$$y = 1.57x$$

**Junk Yard B**

$$y = 1.96x$$

Find the total price you'd get from recycling 1,847 pounds of metal at the cheapest junk yard.

- 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 (\$)
19	456.00
10	240.00

$$y = 24.00x$$

**Company B**

$$y = 10.00x$$

Find the total cost in dollars of buying 16 pounds of jerky from the more expensive company.

- 3) Two companies are selling sugar by the pound. The cost of sugar 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 sugar.

**Company A**

Total Pounds	Total Cost (\$)
10	2.70
16	4.32

$$y = 0.27x$$

**Company B**

$$y = 0.20x$$

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

**Answers**1. **2,899.79**2. **384**3. **0.07**