



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 (\$)
1512	2,540.16
1773	2,978.64

Junk Yard B

$$y = 1.50x$$

1. _____

2. _____

3. _____

Find the total price you'd get from recycling 1,113 pounds of metal at the cheapest junk yard.

- 2) 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 (\$)
20	5.80
15	4.35

Company B

$$y = 0.26x$$

Find the total cost in dollars of buying 11 pounds of sugar from the more expensive company.

- 3) 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
13	299
20	460

Company B

$$y = 24x$$

What is the difference in the number of pieces per box 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 (\$)
1512	2,540.16
1773	2,978.64

$$y = 1.68x$$

Junk Yard B

$$y = 1.50x$$

Find the total price you'd get from recycling 1,113 pounds of metal at the cheapest junk yard.

- 2) 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 (\$)
20	5.80
15	4.35

$$y = 0.29x$$

Company B

$$y = 0.26x$$

Find the total cost in dollars of buying 11 pounds of sugar from the more expensive company.

- 3) 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
13	299
20	460

$$y = 23x$$

Company B

$$y = 24x$$

What is the difference in the number of pieces per box between Company A and Company B?

Answers1. **1,669.5**2. **3.19**3. **1**