

**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 (\$)
1958	4,542.56
1708	3,962.56

**Junk Yard B**

$$y = 2.09x$$

Find the total price you'd get from recycling 1446 pounds of metal at the cheapest junk yard.

- 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
14	322
20	460

**Company B**

$$y = 30x$$

Find the total number of pieces you'd get from buying 20 boxes of candy from the company with the most pieces per box.

- 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 (\$)
12	3.48
15	4.35

**Company B**

$$y = 0.28x$$

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

**Answers**

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

**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 (\$)
1958	4,542.56
1708	3,962.56

$$y = 2.32x$$

**Junk Yard B**

$$y = 2.09x$$

Find the total price you'd get from recycling 1446 pounds of metal at the cheapest junk yard.

- 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
14	322
20	460

$$y = 23x$$

**Company B**

$$y = 30x$$

Find the total number of pieces you'd get from buying 20 boxes of candy from the company with the most pieces per box.

- 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 (\$)
12	3.48
15	4.35

$$y = 0.29x$$

**Company B**

$$y = 0.28x$$

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

**Answers**1. **3022.14**2. **600**3. **0.01**