



Solve each problem.

Answers

- 1) 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 (\$)
11	2.53
15	3.45

Company B
 $y = 0.24x$

1. _____
2. _____
3. _____

Find the total cost in dollars of buying 20 pounds of sugar from the cheapest company.

- 2) 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 (\$)
1976	3,872.96
1476	2,892.96

Junk Yard B
 $y = 1.92x$

Find the total price you'd get from recycling 1,425 pounds of metal at the more expensive junk yard.

- 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
18	468
17	442

Company B
 $y = 22x$

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



Solve each problem.

- 1) 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 (\$)
11	2.53
15	3.45

Company B
 $y = 0.24x$

$y = 0.23x$

Find the total cost in dollars of buying 20 pounds of sugar from the cheapest company.

- 2) 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 (\$)
1976	3,872.96
1476	2,892.96

Junk Yard B
 $y = 1.92x$

$y = 1.96x$

Find the total price you'd get from recycling 1,425 pounds of metal at the more expensive junk yard.

- 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
18	468
17	442

Company B
 $y = 22x$

$y = 26x$

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

Answers

1. 4.6

2. 2,793

3. 4