



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 (\$)
1723	3,170.32
1085	1,996.40

Junk Yard B

$$y = 1.92x$$

1. _____

2. _____

3. _____

Find the total price you'd get from recycling 1,327 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 (\$)
19	4.37
18	4.14

Company B

$$y = 0.23x$$

Find the total cost in dollars of buying 13 pounds of sugar from the more expensive company.

- 3) Two contractors are bidding on building a house. Contractor A's price is represented in the table below. Contractor B's price is represented by an equation, with y representing the total price and x representing the square feet of the house.

Contractor A

Square Feet	Total Price (\$)
1499	173,884
1734	201,144

Contractor B

$$y = 128x$$

What is the difference in the price per square foot between contractor A and contractor B?



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Pounds	Total Price (\$)
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1085	1,996.40

$y = 1.84x$

Junk Yard B

$y = 1.92x$

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Contractor A

Square Feet	Total Price (\$)
1499	173,884
1734	201,144

$y = 116x$

Contractor B

$y = 128x$

What is the difference in the price per square foot between contractor A and contractor B?

Answers

1. 2,441.68

2. 2.99

3. 12