



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 (\$)
1231	2,412.76
1414	2,771.44

Junk Yard B

$$y = 1.87x$$

Find the total price you'd get from recycling 1799 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 (\$)
11	2.53
10	2.30

Company B

$$y = 0.21x$$

Find the total cost in dollars of buying 19 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 (\$)
1079	137,033
1826	231,902

Contractor B

$$y = 126x$$

What is the difference in the price per square foot between contractor A and contractor 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 (\$)
1231	2,412.76
1414	2,771.44

$y = 1.96x$

Junk Yard B

$y = 1.87x$

Find the total price you'd get from recycling 1799 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 (\$)
11	2.53
10	2.30

$y = 0.23x$

Company B

$y = 0.21x$

Find the total cost in dollars of buying 19 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 (\$)
1079	137,033
1826	231,902

$y = 127x$

Contractor B

$y = 126x$

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

Answers

1. 3364.13
2. 4.37
3. 1