



Solve each problem.

Answers

- 1) 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 (\$) |
|-------------|------------------|
| 1978 | 225,492 |
| 1926 | 219,564 |

Contractor B

$$y = 115x$$

1. _____
 2. _____
 3. _____

Find the total price you'd get from building a 1,488 sq/ft house from the cheapest contractor.

- 2) Two companies are selling electricity by Kilo-watt hour. The cost of electricity 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 kilowatt hours.

Company A

| Total Kilowatt-Hours | Total Cost (\$) |
|----------------------|-----------------|
| 1264 | 126.40 |
| 1417 | 141.70 |

Company B

$$y = 0.14x$$

Find the total cost in dollars of buying 1,248 kilowatt hours of electricity from the more expensive company.

- 3) 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 (\$) |
|--------|------------------|
| 1406 | 2,713.58 |
| 1462 | 2,821.66 |

Junk Yard B

$$y = 1.90x$$

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



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|-------------|------------------|
| 1978 | 225,492 |
| 1926 | 219,564 |

Contractor B
 $y = 115x$

$y = 114x$

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Company B
 $y = 0.14x$

$y = 0.10x$

Find the total cost in dollars of buying 1,248 kilowatt hours of electricity from the more expensive company.

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Junk Yard A

| Pounds | Total Price (\$) |
|--------|------------------|
| 1406 | 2,713.58 |
| 1462 | 2,821.66 |

Junk Yard B
 $y = 1.90x$

$y = 1.93x$

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

Answers

1. 169,632

2. 174.72

3. 0.03