



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 (\$)
19	3.80
17	3.40

Company B
 $y = 0.27x$

1. _____
2. _____
3. _____

Find the total cost in dollars of buying 11 pounds of sugar from the cheapest company.

- 2) 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 (\$)
1350	151,200
1243	139,216

Contractor B
 $y = 116x$

Find the total price you'd get from building a 1,403 sq/ft house from the more expensive contractor.

- 3) Two companies are selling beef jerky by the pound. The cost of jerky 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 jerky.

Company A

Total Pounds	Total Cost (\$)
19	380.00
16	320.00

Company B
 $y = 16.00x$

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



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Total Pounds	Total Cost (\$)
19	3.80
17	3.40

Company B
 $y = 0.27x$

$y = 0.20x$

Find the total cost in dollars of buying 11 pounds of sugar from the cheapest company.

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 $y = 116x$

$y = 112x$

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 $y = 16.00x$

$y = 20.00x$

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Answers

1. 2.2

2. 162,748

3. 4