Comparing Measurement with Tables and Equations   Name:

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.

1. _____

Contractor A

Square Feet	Total Price ($)
1776	198,912
1730	193,760

Contractor B

$y = 122x$

2. _____

Find the total price you'd get from building a 1,780 sq/ft house from the cheapest contractor.

3. _____

2) 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 ($)
15	390.00
16	416.00

Company B

$y = 12.00x$

Find the total cost in dollars of buying 19 pounds of jerky from the more expensive company.

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
11	330
12	360

Company B

$y = 20x$

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

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1-3 | 67 | 33 | 0

Solve each problem.

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.

1. **199,360**

Contractor A

Square Feet	Total Price ($)
1776	198,912
1730	193,760

y = 112x

Contractor B
y = 122x

2. **494**

3. **10**

Find the total price you'd get from building a 1,780 sq/ft house from the cheapest contractor.

2) 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 ($)
15	390.00
16	416.00

y = 26.00x

Company B
y = 12.00x

Find the total cost in dollars of buying 19 pounds of jerky from the more expensive company.

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
11	330
12	360

y = 30x

Company B
y = 20x

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