



Solve each problem.

Answers

- 1) 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
14	350
20	500

Company B

$$y = 21x$$

1. _____

2. _____

3. _____

Find the total number of pieces you'd get from buying 15 boxes of candy from the company with the fewest pieces per box.

- 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 (\$)
1300	167,700
1658	213,882

Contractor B

$$y = 110x$$

Find the total price you'd get from building a 1,084 sq/ft house from the more expensive contractor.

- 3) 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 (\$)
1285	102.80
1082	86.56

Company B

$$y = 0.09x$$

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



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- 1) 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
14	350
20	500

$$y = 25x$$

Company B

$$y = 21x$$

Find the total number of pieces you'd get from buying 15 boxes of candy from the company with the fewest pieces per box.

- 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 (\$)
1300	167,700
1658	213,882

$$y = 129x$$

Contractor B

$$y = 110x$$

Find the total price you'd get from building a 1,084 sq/ft house from the more expensive contractor.

- 3) 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 (\$)
1285	102.80
1082	86.56

$$y = 0.08x$$

Company B

$$y = 0.09x$$

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

Answers1. **315**2. **139,836**3. **0.01**