



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
11	330
20	600

Company B

$$y = 27x$$

1. _____

2. _____

3. _____

Find the total number of pieces you'd get from buying 13 boxes of candy from the company with the fewest pieces per box.

- 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 (\$)
18	4.32
15	3.60

Company B

$$y = 0.30x$$

Find the total cost in dollars of buying 11 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 (\$)
1356	166,788
1069	131,487

Contractor B

$$y = 113x$$

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



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Company A

Total Boxes	Total Pieces
11	330
20	600

Company B

$$y = 27x$$

$$y = 30x$$

Find the total number of pieces you'd get from buying 13 boxes of candy from the company with the fewest pieces per box.

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Company A

Total Pounds	Total Cost (\$)
18	4.32
15	3.60

Company B

$$y = 0.30x$$

$$y = 0.24x$$

Find the total cost in dollars of buying 11 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 (\$)
1356	166,788
1069	131,487

Contractor B

$$y = 113x$$

$$y = 123x$$

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

Answers1. 3512. 3.33. 10



Solve each problem.

Answers

- 1) 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 (\$)
1236	98.88
1419	113.52

Company B

$$y = 0.08x$$

1. _____

2. _____

3. _____

Find the total cost in dollars of buying 1,018 kilowatt hours of electricity 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 (\$)
1993	229,195
1202	138,230

Contractor B

$$y = 118x$$

Find the total price you'd get from building a 1,168 sq/ft house from the more expensive contractor.

- 3) 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 (\$)
10	2.90
13	3.77

Company B

$$y = 0.20x$$

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



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- 1) 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.

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Company B

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Contractor A

Square Feet	Total Price (\$)
1993	229,195
1202	138,230

$$y = 115x$$

Contractor B

$$y = 118x$$

Find the total price you'd get from building a 1,168 sq/ft house from the more expensive contractor.

- 3) 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 (\$)
10	2.90
13	3.77

$$y = 0.29x$$

Company B

$$y = 0.20x$$

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

Answers1. 81.442. 137,8243. 0.09



Solve each problem.

Answers

- 1) 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 (\$)
1060	159.00
1499	224.85

Company B

$$y = 0.15x$$

1. _____

2. _____

3. _____

Find the total cost in dollars of buying 1,346 kilowatt hours of electricity from the cheapest company.

- 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 (\$)
10	100.00
14	140.00

Company B

$$y = 28.00x$$

Find the total cost in dollars of buying 15 pounds of jerky 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 (\$)
1602	3,107.88
1805	3,501.70

Junk Yard B

$$y = 1.80x$$

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



Solve each problem.

- 1) 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 (\$)
1060	159.00
1499	224.85

$$y = 0.15x$$

Company B

$$y = 0.15x$$

Find the total cost in dollars of buying 1,346 kilowatt hours of electricity from the cheapest company.

- 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 (\$)
10	100.00
14	140.00

$$y = 10.00x$$

Company B

$$y = 28.00x$$

Find the total cost in dollars of buying 15 pounds of jerky 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 (\$)
1602	3,107.88
1805	3,501.70

$$y = 1.94x$$

Junk Yard B

$$y = 1.80x$$

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

Answers1. 201.92. 4203. 0.14



Solve each problem.

Answers

- 1) 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 (\$)
18	270.00
20	300.00

Company B

$$y = 14.00x$$

1. _____
 2. _____
 3. _____

Find the total cost in dollars of buying 17 pounds of jerky from the cheapest company.

- 2) 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 (\$)
1359	2,813.13
1274	2,637.18

Junk Yard B

$$y = 2.05x$$

Find the total price you'd get from recycling 1,815 pounds of metal at the more expensive junk yard.

- 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 (\$)
1282	141.02
1196	131.56

Company B

$$y = 0.09x$$

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



Solve each problem.

- 1) 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 (\$)
18	270.00
20	300.00

$y = 15.00x$

Company B

$y = 14.00x$

Find the total cost in dollars of buying 17 pounds of jerky from the cheapest company.

- 2) 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 (\$)
1359	2,813.13
1274	2,637.18

$y = 2.07x$

Junk Yard B

$y = 2.05x$

Find the total price you'd get from recycling 1,815 pounds of metal at the more expensive junk yard.

- 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 (\$)
1282	141.02
1196	131.56

$y = 0.11x$

Company B

$y = 0.09x$

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

Answers

1. 238

2. 3,757.05

3. 0.02



Solve each problem.

Answers

- 1) 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 (\$)
1315	105.20
1304	104.32

Company B

$$y = 0.08x$$

1. _____

2. _____

3. _____

Find the total cost in dollars of buying 1,254 kilowatt hours of electricity from the cheapest company.

- 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 (\$)
11	286.00
14	364.00

Company B

$$y = 30.00x$$

Find the total cost in dollars of buying 11 pounds of jerky 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 (\$)
1869	214,935
1423	163,645

Contractor B

$$y = 116x$$

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



Solve each problem.

- 1) 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 (\$)
1315	105.20
1304	104.32

$y = 0.08x$

Company B

$y = 0.08x$

Find the total cost in dollars of buying 1,254 kilowatt hours of electricity from the cheapest company.

- 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 (\$)
11	286.00
14	364.00

$y = 26.00x$

Company B

$y = 30.00x$

Find the total cost in dollars of buying 11 pounds of jerky 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 (\$)
1869	214,935
1423	163,645

$y = 115x$

Contractor B

$y = 116x$

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

Answers

1. 100.32

2. 330

3. 1



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?



Solve each problem.

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Contractor A	
Square Feet	Total Price (\$)
1978	225,492
1926	219,564

Contractor B
 $y = 115x$

$$y = 114x$$

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

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

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.

- 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
 $y = 1.90x$

$$y = 1.93x$$

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



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 (\$)
1534	173,342
1428	161,364

Contractor B

$$y = 123x$$

1. _____
 2. _____
 3. _____

Find the total price you'd get from building a 1,351 sq/ft house from the cheapest contractor.

- 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 (\$)
20	5.40
11	2.97

Company B

$$y = 0.22x$$

Find the total cost in dollars of buying 17 pounds of sugar 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
10	280
19	532

Company B

$$y = 27x$$

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



Solve each problem.

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Contractor A

Square Feet	Total Price (\$)
1534	173,342
1428	161,364

$$y = 113x$$

Contractor B

$$y = 123x$$

Find the total price you'd get from building a 1,351 sq/ft house from the cheapest contractor.

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Company A

Total Pounds	Total Cost (\$)
20	5.40
11	2.97

$$y = 0.27x$$

Company B

$$y = 0.22x$$

Find the total cost in dollars of buying 17 pounds of sugar 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
10	280
19	532

$$y = 28x$$

Company B

$$y = 27x$$

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

Answers1. 152,6632. 4.593. 1



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 (\$)
1315	144,650
1795	197,450

Contractor B

$$y = 126x$$

1. _____
 2. _____
 3. _____

Find the total price you'd get from building a 1,821 sq/ft house from the cheapest contractor.

- 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 (\$)
14	4.06
12	3.48

Company B

$$y = 0.29x$$

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

- 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 (\$)
1280	128.00
1312	131.20

Company B

$$y = 0.14x$$

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



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.

Contractor A

Square Feet	Total Price (\$)
1315	144,650
1795	197,450

$$y = 110x$$

Contractor B

$$y = 126x$$

Find the total price you'd get from building a 1,821 sq/ft house from the cheapest contractor.

- 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 (\$)
14	4.06
12	3.48

$$y = 0.29x$$

Company B

$$y = 0.29x$$

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

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Company A

Total Kilowatt-Hours	Total Cost (\$)
1280	128.00
1312	131.20

$$y = 0.10x$$

Company B

$$y = 0.14x$$

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

Answers1. 200,3102. 5.513. 0.04



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
11	253
18	414

Company B

$$y = 20x$$

1. _____

2. _____

3. _____

Find the total number of pieces you'd get from buying 14 boxes of candy from the company with the fewest pieces per box.

- 2) 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 (\$)
1024	1,812.48
1795	3,177.15

Junk Yard B

$$y = 2.49x$$

Find the total price you'd get from recycling 1,731 pounds of metal at the more expensive junk yard.

- 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 (\$)
1380	193.20
1161	162.54

Company B

$$y = 0.13x$$

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



Solve each problem.

- 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
11	253
18	414

Company B
 $y = 20x$

$y = 23x$

Find the total number of pieces you'd get from buying 14 boxes of candy from the company with the fewest pieces per box.

- 2) 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 (\$)
1024	1,812.48
1795	3,177.15

Junk Yard B
 $y = 2.49x$

$y = 1.77x$

Find the total price you'd get from recycling 1,731 pounds of metal at the more expensive junk yard.

- 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 (\$)
1380	193.20
1161	162.54

Company B
 $y = 0.13x$

$y = 0.14x$

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

Answers

1. 280
2. 4,310.19
3. 0.01



Solve each problem.

Answers

- 1) 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 (\$)
1266	113.94
1052	94.68

Company B

$$y = 0.10x$$

1. _____

2. _____

3. _____

Find the total cost in dollars of buying 1,315 kilowatt hours of electricity from the cheapest company.

- 2) 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
20	500
13	325

Company B

$$y = 30x$$

Find the total number of pieces you'd get from buying 20 boxes of candy from the company with the most pieces per box.

- 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 (\$)
20	220.00
16	176.00

Company B

$$y = 12.00x$$

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



Solve each problem.

- 1) 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 (\$)
1266	113.94
1052	94.68

$$y = 0.09x$$

Company B

$$y = 0.10x$$

Find the total cost in dollars of buying 1,315 kilowatt hours of electricity from the cheapest company.

- 2) 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
20	500
13	325

$$y = 25x$$

Company B

$$y = 30x$$

Find the total number of pieces you'd get from buying 20 boxes of candy from the company with the most pieces per box.

- 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 (\$)
20	220.00
16	176.00

$$y = 11.00x$$

Company B

$$y = 12.00x$$

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

Answers1. **118.35**2. **600**3. **1**