Comparing Measurement with Tables and Equations

Name:

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
16	448
20	560

Company B

$y = 22x$

Find the total number of pieces you'd get from buying 18 boxes of candy from the company with the fewest pieces per box.

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	450.00
20	600.00

Company B

$y = 29.00x$

Find the total cost in dollars of buying 17 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 ($)
1048	129,952
1833	227,292

Contractor B

$y = 112x$

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

1. _____

2. _____

3. _____

Math

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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
16	448
20	560

y = 28x

Company B

y = 22x

Find the total number of pieces you'd get from buying 18 boxes of candy from the company with the fewest pieces per box.

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	450.00
20	600.00

y = 30.00x

Company B

y = 29.00x

Find the total cost in dollars of buying 17 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 ($)
1048	129,952
1833	227,292

y = 124x

Contractor B

y = 112x

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

1. **396**

2. **510**

3. **12**

Comparing Measurement with Tables and Equations   Name:

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.

1. _____

Company A

Total Pounds	Total Cost ($)
13	260.00
17	340.00

Company B
$y = 13.00x$

2. _____

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

3. _____

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	3.78
13	3.51

Company B
$y = 0.25x$

Find the total cost in dollars of buying 17 pounds of sugar 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 ($)
1621	3,452.73
1851	3,942.63

Junk Yard B
$y = 1.85x$

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 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 ($)
13	260.00
17	340.00

y = 20.00x

Company B
y = 13.00x

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

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	3.78
13	3.51

y = 0.27x

Company B
y = 0.25x

Find the total cost in dollars of buying 17 pounds of sugar 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 ($)
1621	3,452.73
1851	3,942.63

y = 2.13x

Junk Yard B
y = 1.85x

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

Comparing Measurement with Tables and Equations   Name:

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		**Company B**
Total Kilowatt-Hours	**Total Cost ($)**	y = 0.09x
1109	133.08	
1420	170.40	

Find the total cost in dollars of buying 1478 kilowatt hours of electricity 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		**Junk Yard B**
Pounds	**Total Price ($)**	y = 2.39x
1123	1,684.50	
1332	1,998.00	

Find the total price you'd get from recycling 1667 pounds of metal at the more expensive junk yard.

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		**Contractor B**
Square Feet	**Total Price ($)**	y = 119x
1788	219,924	
1553	191,019	

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 ($)
1109	133.08
1420	170.40

$y = 0.12x$

Company B
$y = 0.09x$

Find the total cost in dollars of buying 1478 kilowatt hours of electricity 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 ($)
1123	1,684.50
1332	1,998.00

$y = 1.50x$

Junk Yard B
$y = 2.39x$

Find the total price you'd get from recycling 1667 pounds of metal at the more expensive junk yard.

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 ($)
1788	219,924
1553	191,019

$y = 123x$

Contractor B
$y = 119x$

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

Solve each problem.

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 ($)**
12	3.36
14	3.92

Company B

$y = 0.23x$

Find the total cost in dollars of buying 20 pounds of sugar from the cheapest company.

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 ($)**
1366	177.58
1398	181.74

Company B

$y = 0.12x$

Find the total cost in dollars of buying 1286 kilowatt hours of electricity from the more expensive company.

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 ($)**
17	391.00
19	437.00

Company B

$y = 17.00x$

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

Solve each problem.

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 ($)**
12	3.36
14	3.92

$y = 0.28x$

Company B
$y = 0.23x$

Find the total cost in dollars of buying 20 pounds of sugar from the cheapest company.

1. **4.6**

2. **167.18**

3. **6**

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 ($)**
1366	177.58
1398	181.74

$y = 0.13x$

Company B
$y = 0.12x$

Find the total cost in dollars of buying 1286 kilowatt hours of electricity from the more expensive company.

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 ($)**
17	391.00
19	437.00

$y = 23.00x$

Company B
$y = 17.00x$

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

Math www.CommonCoreSheets.com   4

Solve each problem.

1) 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.

1. _____

Junk Yard A

Pounds	Total Price ($)
1346	2,153.60
1636	2,617.60

Junk Yard B
$$y = 1.96x$$

2. _____

3. _____

Find the total price you'd get from recycling 1363 pounds of metal at the cheapest junk yard.

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 ($)
12	2.88
16	3.84

Company B
$$y = 0.28x$$

Find the total cost in dollars of buying 18 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 ($)
1078	118.58
1155	127.05

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 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 ($)
1346	2,153.60
1636	2,617.60

y = 1.60x

Junk Yard B
y = 1.96x

Find the total price you'd get from recycling 1363 pounds of metal at the cheapest junk yard.

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 ($)
12	2.88
16	3.84

y = 0.24x

Company B
y = 0.28x

Find the total cost in dollars of buying 18 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 ($)
1078	118.58
1155	127.05

y = 0.11x

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 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	4.00
14	2.80

Company B
$y = 0.25x$

Find the total cost in dollars of buying 20 pounds of sugar from the cheapest company.

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 ($)
1374	178.62
1168	151.84

Company B
$y = 0.12x$

Find the total cost in dollars of buying 1416 kilowatt hours of electricity 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
12	252
17	357

Company B
$y = 23x$

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

1. _____

2. _____

3. _____

Solve each problem.

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 ($)
20	4.00
14	2.80

$y = 0.20x$

Company B
$y = 0.25x$

Find the total cost in dollars of buying 20 pounds of sugar from the cheapest company.

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 ($)
1374	178.62
1168	151.84

$y = 0.13x$

Company B
$y = 0.12x$

Find the total cost in dollars of buying 1416 kilowatt hours of electricity 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
12	252
17	357

$y = 21x$

Company B
$y = 23x$

What is the difference in the number of pieces per box 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
14	378
20	540

Company B

$y = 20x$

Find the total number of pieces you'd get from buying 17 boxes of candy from the company with the fewest pieces per box.

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 ($)
19	247.00
16	208.00

Company B

$y = 19.00x$

Find the total cost in dollars of buying 10 pounds of jerky 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 ($)
1450	130.50
1330	119.70

Company B

$y = 0.08x$

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.

1. ___**340**___

Company A

Total Boxes	Total Pieces
14	378
20	540

y = 27x

Company B
y = 20x

2. ___**190**___

3. ___**0.01**___

Find the total number of pieces you'd get from buying 17 boxes of candy from the company with the fewest pieces per box.

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 ($)
19	247.00
16	208.00

y = 13.00x

Company B
y = 19.00x

Find the total cost in dollars of buying 10 pounds of jerky 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 ($)
1450	130.50
1330	119.70

y = 0.09x

Company B
y = 0.08x

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

Solve each problem.

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.

1. _____

Company A

Total Pounds	Total Cost ($)
14	3.50
16	4.00

Company B

$y = 0.30x$

2. _____

3. _____

Find the total cost in dollars of buying 11 pounds of sugar 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 ($)
1092	2,369.64
1735	3,764.95

Junk Yard B

$y = 1.64x$

Find the total price you'd get from recycling 1290 pounds of metal at the more expensive junk yard.

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 ($)
10	290.00
15	435.00

Company B

$y = 21.00x$

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

Name:

Solve each problem.

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.

1. __**2.75**__

Company A		Company B

Company A

Total Pounds	Total Cost ($)
14	3.50
16	4.00

y = 0.25x

Company B

y = 0.30x

2. __**2799.3**__

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

3. __**8**__

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 ($)
1092	2,369.64
1735	3,764.95

y = 2.17x

Junk Yard B

y = 1.64x

Find the total price you'd get from recycling 1290 pounds of metal at the more expensive junk yard.

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 ($)
10	290.00
15	435.00

y = 29.00x

Company B

y = 21.00x

What is the difference in price per pound 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 ($)
15	225.00
11	165.00

Company B

$y = 29.00x$

Find the total cost in dollars of buying 17 pounds of jerky 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 ($)
1752	208,488
1085	129,115

Contractor B

$y = 130x$

Find the total price you'd get from building a 1004 sq/ft house from the more expensive contractor.

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 ($)
1762	4,281.66
1213	2,947.59

Junk Yard B

$y = 2.15x$

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 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	225.00
11	165.00

y = 15.00x

Company B
y = 29.00x

Find the total cost in dollars of buying 17 pounds of jerky 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 ($)
1752	208,488
1085	129,115

y = 119x

Contractor B
y = 130x

Find the total price you'd get from building a 1004 sq/ft house from the more expensive contractor.

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 ($)
1762	4,281.66
1213	2,947.59

y = 2.43x

Junk Yard B
y = 2.15x

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 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 ($)
14	322.00
10	230.00

Company B

$y = 30.00x$

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

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 ($)
1107	99.63
1126	101.34

Company B

$y = 0.10x$

Find the total cost in dollars of buying 1081 kilowatt hours of electricity from the more expensive company.

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	2.40
11	2.64

Company B

$y = 0.20x$

What is the difference in price per pound 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 ($)**
14	322.00
10	230.00

$y = 23.00x$

Company B
$y = 30.00x$

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

1. **437**

2. **108.1**

3. **0.04**

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 ($)**
1107	99.63
1126	101.34

$y = 0.09x$

Company B
$y = 0.10x$

Find the total cost in dollars of buying 1081 kilowatt hours of electricity from the more expensive company.

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	2.40
11	2.64

$y = 0.24x$

Company B
$y = 0.20x$

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