Solve each problem. <u>Answers</u> 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 1. represented by an equation, with y representing the total number of pieces for x boxes. **Company A Company B** y = 27xTotal Total Pieces **Boxes** 330 11 20 600 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 Company B** y = 0.30xTotal Total **Pounds** Cost (\$) 18 4.32 15 3.60 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 Contractor B** y = 113x**Total Price** Square Feet (\$) 1356 166,788 1069 131.487 What is the difference in the price per square foot between contractor A and contractor B?

					Answer
Two con	panies are sell	ing boxes of car	ndy. The pieces of candy you get from Company A		
is represe	ented in the tab	le below. The p	ieces of candy you get per box from Company B is	1	351
represent	ed by an equat	ion, with y repr	esenting the total number of pieces for x boxes.		
г	Compa	any A	Company B	2.	3.3
	Total	Total	y = 27x		
	Boxes	Pieces		3	10
-	11	330			
L	20	600			
E' al de s	y = 3				
	fewest pieces p		et from buying 13 boxes of candy from the company		
with the	iewest pieces p				
Two corr	nanies are sell	ing sugar by the	e pound. The cost of sugar for Company A is		
	-		e cost for Company B is represented by an equation,		
-			lars for x pounds of sugar.		
	Comp	any A	Company B		
	Total	Total	y = 0.30x		
	Pounds	Cost (\$)			
	18	4.32			
İ	15	3.60			
	<b>y</b> = 0	).24x			
Find the	total cost in do	llars of buying	11 pounds of sugar from the more expensive		
company	•				
_					
		-	g a house. Contractor A's price is represented in the resented by an equation, with y representing the		
			e feet of the house.		
1	_	actor A	Contractor B		
	Square	<b>Total Price</b>	y = 113x		
	Feet	(\$)			
	1356	166,788			
	1069	131,487			
	y =	123x			
What is t	he difference i	n the price per s	quare foot between contractor A and contractor B?		
				11	

1

		Comparin	g Meas	uremen	t with Tables and Equations Name:	
Solv	ve each pr	-	0		1	Answers
1)	Two com Company	panies are sell A is represen ation, with y r	ted in th	e table be ting the to	Kilo-watt hour. The cost of electricity for elow, while the cost for Company B is represented otal cost in dollars for x kilowatt hours. <b>Company B</b>	1.       2.
		Total Kilo Hour		Total Cost (\$)	y = 0.08x	3
		1236	5	98.88		
		1419	Ð	113.52		
2)	company Two cont table belo	tractors are bid ow. Contractor e and x represe	lding on B's pric	building e is repre	018 kilowatt hours of electricity from the cheapest a house. Contractor A's price is represented in the sented by an equation, with y representing the feet of the house. Contractor B	
		Square	Total	Price	y = 118x	
		Feet	(\$		-	
		1993	229,	195		
		1202	138,	230		
3)	contracto	r.			ng a 1,168 sq/ft house from the more expensive bound. The cost of sugar for Company A is	
	represent	ed in the table	below,	while the	cost for Company B is represented by an equation,	
	with y rej			st in dolla	rs for x pounds of sugar.	
	Г		any A		<b>Company B</b> y = 0.20x	
		Total Pounds	To Cos		y – 0.20X	
	l	10	-	90		
	-	13	_	77		
	L		1			
	What is t	he difference i	n price p	ber pound	between Company A and Company B?	

Comparing Measurement with Tables and Equations **Answer Key** Name: Solve each problem. Answers 1) Two companies are selling electricity by Kilo-watt hour. The cost of electricity for 81.44 Company A is represented in the table below, while the cost for Company B is represented 1. by an equation, with y representing the total cost in dollars for x kilowatt hours. **Company** A **Company B** y = 0.08xTotal **Total Kilowatt-**Cost 0.09 Hours (\$) 98.88 1236 1419 113.52 y = 0.08xFind the total cost in dollars of buying 1,018 kilowatt hours of electricity from the cheapest company. Two contractors are bidding on building a house. Contractor A's price is represented in the 2) 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** y = 118x**Total Price** Square Feet (\$) 1993 229,195 138,230 1202 y = 115xFind 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 Company B** y = 0.20xTotal Total Pounds Cost (\$) 10 2.90 13 3.77 y = 0.29xWhat is the difference in price per pound between Company A and Company B?

		Comparing	Meas	urement	with Tables and Equations Name:	
Solv	ve each pro				1	Answers
1)	Two comp Company	anies are sellin A is represente tion, with y rep	d in the present <b>pany</b> A <b>vatt-</b>	e table bel ing the to	Kilo-watt hour. The cost of electricity for low, while the cost for Company B is represented tal cost in dollars for x kilowatt hours. Company B y = 0.15x	1.       2.       3.
		1060		159.00	4	
		1499		224.85		
2)	company. Two comp represented	anies are sellin d in the table be resenting the to Compa	ng beef elow, v otal cos ny A	jerky by t vhile the c t in dollar	the pound. The cost of jerky for Company A is cost for Company B is represented by an equation, is for x pounds of jerky. Company B	
		Total Pounds	Total (\$		y = 28.00x	
	-	10	100			
	_	14	140			
3)	company.				pounds of jerky from the more expensive	
3)	table below		's price	e is repres	netal. Junk Yard A's price is represented in the ented by an equation, with y representing the total etal recycled.	
		Junk	Yard A	<u> </u>	Junk Yard B	
	What is the	Pounds16021805e difference in	<b>Total</b> (\$ 3,10 <sup>7</sup> 3,50 <sup>7</sup> the prio	) 7.88 1.70	y = 1.80x and between junk yard A and junk yard B?	

Comparing Measurement with Tables and Equations **Answer Key** Name: Solve each problem. Answers 1) Two companies are selling electricity by Kilo-watt hour. The cost of electricity for 201.9 Company A is represented in the table below, while the cost for Company B is represented 1. by an equation, with y representing the total cost in dollars for x kilowatt hours. **Company A Company B** y = 0.15xTotal **Total Kilowatt-**Cost 0.14 Hours (\$) 159.00 1060 224.85 1499 y = 0.15xFind the total cost in dollars of buying 1,346 kilowatt hours of electricity from the cheapest company. Two companies are selling beef jerky by the pound. The cost of jerky for Company A is 2) 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 Company B** y = 28.00xTotal **Total Cost Pounds** (\$) 10 100.00 140.00 14 y = 10.00xFind 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 Junk Yard B y = 1.80x**Total Price** Pounds (\$) 3,107.88 1602 1805 3,501.70 y = 1.94xWhat is the difference in the price per pound between junk yard A and junk yard B?

## Solve each problem. <u>Answers</u> 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, 1. with y representing the total cost in dollars for x pounds of jerky. **Company A Company B** y = 14.00xTotal **Total Cost Pounds** (\$) 270.00 18 20 300.00 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 Junk Yard B y = 2.05x**Total Price** Pounds (\$) 1359 2,813.13 1274 2,637.18 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 Company B** y = 0.09xTotal **Total Kilowatt-**Cost Hours (\$) 1282 141.02 1196 131.56 What is the difference in price per kilowatt hour between Company A and Company B?

Math

Comparing Measurement with Tables and Equations **Answer Key** Name: Solve each problem. Answers 1) Two companies are selling beef jerky by the pound. The cost of jerky for Company A is 238 represented in the table below, while the cost for Company B is represented by an equation, 1. with y representing the total cost in dollars for x pounds of jerky. **Company** A **Company B** y = 14.00xTotal **Total Cost Pounds** (\$) 0.02270.00 18 20 300.00 y = 15.00xFind 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 Junk Yard B y = 2.05x**Total Price** Pounds (\$) 2,813.13 1359 1274 2,637.18 y = 2.07xFind 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 Company B** y = 0.09xTotal **Total Kilowatt-**Cost Hours (\$) 1282 141.02 1196 131.56 y = 0.11xWhat is the difference in price per kilowatt hour between Company A and Company B?

		Comparing	Meas	urement	with Tables and Equations Name:	
Solv	ve each pro				1	Answers
1)	Two comp Company	anies are sellin A is represente tion, with y re	ed in th present npany	e table bel ing the to A Total	Kilo-watt hour. The cost of electricity for low, while the cost for Company B is represented tal cost in dollars for x kilowatt hours. Company B y = 0.08x	1.       2.
		Hours		Cost (\$)		3
		1315		105.20		
		1304		104.32		
2)	company. Two comp represented	anies are sellin 1 in the table b esenting the to	ng beef below, v	jerky by twice the comparison of the second se	254 kilowatt hours of electricity from the cheapest the pound. The cost of jerky for Company A is cost for Company B is represented by an equation, s for x pounds of jerky.	
	-	Compa	Ţ		Company B	
		Total Pounds	Total (\$		y = 30.00x	
		11	286			
		14	364	.00		
	Find the to company.	tal cost in dol	lars of l	ouying 11	pounds of jerky from the more expensive	
3)	table below	v. Contractor l	B's pric	e is repres	a house. Contractor A's price is represented in the sented by an equation, with y representing the eet of the house.	
	_	Contra	ctor A		Contractor B	
		Square	Total		y = 116x	
	-	Feet	(\$			
	-	1869 1423	$\frac{214}{163}$			
	L	1120	100,			
	What is the	e difference in	the pri	ce per squ	are foot between contractor A and contractor B?	

Comparing Measurement with Tables and Equations **Answer Key** Name: Solve each problem. Answers 1) Two companies are selling electricity by Kilo-watt hour. The cost of electricity for 100.32 Company A is represented in the table below, while the cost for Company B is represented 1. by an equation, with y representing the total cost in dollars for x kilowatt hours. **Company A Company B** y = 0.08xTotal **Total Kilowatt-**Cost Hours (\$) 105.20 1315 104.32 1304 y = 0.08xFind the total cost in dollars of buying 1,254 kilowatt hours of electricity from the cheapest company. Two companies are selling beef jerky by the pound. The cost of jerky for Company A is 2) 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 Company B** y = 30.00xTotal **Total Cost Pounds** (\$) 11 286.00 14 364.00 y = 26.00xFind 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 Contractor B** y = 116xSquare **Total Price** Feet (\$) 1869 214,935 1423 163,645 y = 115xWhat is the difference in the price per square foot between contractor A and contractor B?

Comparing Measurement with Tables and Equations Name:



Comparing Measurement with Tables and Equations Name:

Answer Key

Solv	ve each pr	oblem.			Answers
1)	Two cont table belo total price	1. <b>169,632</b>			
	totul price	-	actor A	Contractor B	2. <b>174.72</b>
		Square	<b>Total Price</b>	y = 115x	2
		Feet	(\$)		<b>0.03</b>
		1978	225,492		
		1926	219,564		
		y =	114x		
	Find the t contracto		d get from buil	ding a 1,488 sq/ft house from the cheapest	
2)	Company	A is represent	ted in the table	by Kilo-watt hour. The cost of electricity for below, while the cost for Company B is represented	
	by an equ	-		total cost in dollars for x kilowatt hours.	
			mpany A	<b>Company B</b> y = 0.14x	
	Find the t	•	$\frac{126.4}{7} = 0.10x$	0	
	expensive	e company.			
3)	table belo	w. Junk Yard	B's price is rep	p metal. Junk Yard A's price is represented in the resented by an equation, with y representing the total metal recycled.	
		Junk	x Yard A	Junk Yard B	
		Pounds           1406           1462	Total Price (\$) 2,713.58 2,821.66 = 1.93x	y = 1.90x	
	What is t	2		pound between junk yard A and junk yard B?	
	Math	n www.	CommonCoreSh	neets.com 6	1-3 67 33 0

Comparing Measurement with Tables and Equations Name:

## Solve each problem. <u>Answers</u> 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 1. total price and x representing the square feet of the house. **Contractor A Contractor B** y = 123x**Total Price** Square Feet (\$) 1534 173,342 1428 161,364 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 Company B** y = 0.22xTotal Total **Pounds** Cost (\$) 20 5.40 11 2.97 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 Company B** y = 27xTotal Total **Boxes** Pieces 10 280 19 532 What is the difference in the number of pieces per box between Company A and Company **B**?

Comparing Measurement with Tables and Equations Name:

**Answer Key** 



Comparing Measurement with Tables and Equations Name:

## Solve each problem. <u>Answers</u> 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 1. total price and x representing the square feet of the house. **Contractor A Contractor B** y = 126x**Total Price** Square Feet (\$) 1315 144,650 1795 197,450 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 Company B** y = 0.29xTotal Total **Pounds** Cost (\$) 14 4.06 12 3.48 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 Company B** y = 0.14xTotal **Total Kilowatt-**Cost Hours (\$) 1280 128.00 1312 131.20 What is the difference in price per kilowatt hour between Company A and Company B?

 Comparing Measurement with Tables and Equations
 Name:
 Answer Key

 Solve each problem.
 Answer s

 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 (\$)					
1315	144,650					
1795	197,450					
v = 110x						

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 Total Pounds Cost (\$)						
14	4.06					
12	3.48					
y = 0.29x						

**Company B** y = 0.29x

> **Company B** y = 0.14x

**Contractor B** y = 126x

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					
y = 0.10x						

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

0.04







		Compan	ing Micasurein	ent with rables and Equations Mane.		
Sol	ve each p	oroblem.				Answers
1)	Two con Compar by an ec	1.				
		C	ompany A	Company B	2.	
			Tot		2.	
		Total Ki Hou	lowatt-	st	3.	
		126				
		105				
		105	72 74.0			
	Find the compan		ollars of buying	3,1,315 kilowatt hours of electricity from the cheapest		
2)	is repres	sented in the tain the tain the by an equation	ble below. The	andy. The pieces of candy you get from Company A pieces of candy you get per box from Company B is presenting the total number of pieces for x boxes. Company B		
		Total	Total	y = 30x		
		Boxes	Pieces	y 2011		
		20	500			
		13	325			
		e total number o e most pieces po	- ·	get from buying 20 boxes of candy from the company		
3)	represer	nted in the table epresenting the	e below, while	by the pound. The cost of jerky for Company A is he cost for Company B is represented by an equation, ollars for x pounds of jerky. Company B		
		Total	<b>Total Cost</b>	y = 12.00x		
		Pounds	(\$)			
		20	220.00			
		16	176.00			
	What is	the difference				
		the difference	in price per pot	and between Company A and Company B?		

		Comparii	ng Measure	ment	with Tables and Equations Name:	nsw	er Key
Solv	ve each p	roblem.					Answers
1)	Compan	y A is represent uation, with y	nted in the tal	ole bel	Kilo-watt hour. The cost of electricity for low, while the cost for Company B is represented tal cost in dollars for x kilowatt hours. <b>Company B</b>		<u>118.35</u> 600
			Т	otal	y = 0.10x	2.	000
		Total Ki Hou	lowatt-	Cost (\$)		3.	1
		126	66 11	3.94			
		105		4.68			
	compan	total cost in d y.		-	15 kilowatt hours of electricity from the cheapes	t	
2)	is repres	ented in the ta ted by an equa	ble below. Thation, with y r	ne piec	y. The pieces of candy you get from Company A ces of candy you get per box from Company B is enting the total number of pieces for x boxes.		
	1	-	oany A Total		<b>Company B</b> y = 30x		
		Total Boxes	Pieces		y con		
		20	500				
	[	13	325				
		-	25x				
		total number of most pieces p		d get	from buying 20 boxes of candy from the compar	У	
3)	represen	ted in the table epresenting the	e below, whil	e the c	the pound. The cost of jerky for Company A is cost for Company B is represented by an equation s for x pounds of jerky. <b>Company B</b>	1,	
		Total Pounds2016	Total Co.           (\$)           220.00           176.00           11.00x	st	y = 12.00x		
	What is	the difference	in price per p	ound	between Company A and Company B?		

Math