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 1. represented by an equation, with y representing the total number of pieces for x boxes. **Company A Company B** y = 27xTotal Total **Boxes** Pieces 11 330 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 = 0.30x**Total** 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?

	Comparing Measurement with Tables and Equations Name: An	swer Key
Sol	ve 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 represented by an equation, with y representing the total number of pieces for x boxes.	1. 351
	Company A Company B	2. 3.3
	Total BoxesTotal Piecesy = 27x	3. 10
	11 330	
	20 600	
	y = 30x Find the total number of pieces you'd get from buying 13 boxes of candy from the company	
2)	with the fewest pieces per box. 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 v representing the total cost in dollars for v pounds of sugar	
	with y representing the total cost in dollars for x pounds of sugar.	
	Company ACompany BTotalTotaly = 0.30x	
	Total PoundsTotal Cost (\$) $y = 0.30x$	
	$\frac{18}{18} 4.32$	
	18 4.32 15 3.60	
	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 Contractor B	
	Square FeetTotal Price (\$) $y = 113x$	
	1356 166,788	
	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	
	What is the difference in the price per square foot between contractor A and contractor B?	

Math

		Comparing	g Meas	urement	with Tables and Equations Name:	
Solv	ve each pr	·			1	Answers
1)	Company	A is represent ation, with y r	ted in the present mpany	e table be ting 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 = 0.08x	1. 2. 3.
		1236	5	98.88		
		1419		113.52		
2)	company Two cont table belo	cractors are bid ow. Contractor e and x represe	ding on B's pric	building a e is repres e square f	218 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 eet of the house. Contractor B	
		Square Feet	Total (\$		y = 118x	
		1993	229,			
		1202	138,	230		
3)	contracto Two com	r. panies are sell:	ing suga	ar by the p	ng a 1,168 sq/ft house from the more expensive bound. The cost of sugar for Company A is	
	-				cost for Company B is represented by an equation,	
	with y rej	Comp		st in uonal	rs for x pounds of sugar. Company B	
		Total Pounds 10 13	To Cos 2.9	t (\$)	y = 0.20x	
	What is t	he difference ii	n price p	per pound	between Company A and Company B?	

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 (\$) 1236 98.88 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 1202 138,230 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 Cost (\$) Pounds 2.90 10 3.77 13 y = 0.29xWhat is the difference in price per pound between Company A and Company B?

Comparing Measurement with Tables and Equations

Answer Key

Name:

		ment with rables and Equations Name.	
Solv	ve each problem.		<u>Answers</u>
1)	Two companies are selling electricit Company A is represented in the tab by an equation, with y representing Company A	1 2.	
	Total Kilowatt- HoursTotal C C (0)106015	y = 0.15x (1)	3.
		4.85 ng 1,346 kilowatt hours of electricity from the cheapest	
2)	represented in the table below, while with y representing the total cost in a Company A Total Total Cos Pounds (\$) 10 100.00 14 140.00	Company B	
3)	table below. Junk Yard B's price is r price and x representing the pounds 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 p	er pound between junk yard A and junk yard B?	

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** 2 y = 0.15xTotal **Total Kilowatt-**Cost 0.14 Hours 3 (\$) 159.00 1060 1499 224.85 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** (\$) 100.00 10 14 140.00 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?

Comparing Measurement with Tables and Equations

Answer Key

Name:

		Compan	ig measureme.	in with rables and Equations Maine.	
Solv	e each pro	oblem.			Answers
1)	Two comp represente with y rep	1			
		-	pany A	Company B	
	Г	Total	Total Cost	y = 14.00x	2
		Pounds	(\$)		3.
	Γ	18	270.00		
		20	300.00		
	Find the to	otal cost in de	ollars of buying 2	17 pounds of jerky from the cheapest company.	
2)	table belo	w. Junk Yard x representin	•	p metal. Junk Yard A's price is represented in the resented by an equation, with y representing the total metal recycled. Junk Yard B	
		Juli		y = 2.05x	
		Pounds	Total Price (\$)	y 21001	
		1359	2,813.13	-	
		1274	2,637.18	-	
	Find the to junk yard.		u'd get from recy	cling 1,815 pounds of metal at the more expensive	
3)	Company	A is represent ation, with y	nted in the table l	y Kilo-watt hour. The cost of electricity for below, while the cost for Company B is represented total cost in dollars for x kilowatt hours. Company B	
		Total Ki Hou	I Cost		
		128	32 141.0	2	
		119	06 131.5	6	
	What is th	e difference	in price per kilov	watt hour between Company A and Company B?	

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 = 14.00x**Total Cost** Total **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** (\$) 1359 2,813.13 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 B Company** A 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	g Meas	urement	with Tables and Equations Name:	
Solv	ve each pr	·	0		1	Answers
1)	Company	A is represent ation, with y r	ted in th epresent mpany 2 owatt-	e table be ting 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 = 0.08x	1. 2. 3.
		1315	5	105.20	4	
		1313		103.20		
2)	company Two com represent with y rej	panies are selli ed in the table presenting the t Comp Total Pounds 11 14	ing beef below, v total cos pany A Total (\$ 286 364	i jerky by twhile the out in dollar	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, to for x pounds of jerky. Company B y = 30.00x pounds of jerky from the more expensive	
3)	table belo	ractors are bid ow. Contractor e and x represe	B's pric	e is repres e square f	house. Contractor A's price is represented in the sented by an equation, with y representing the set of the house. Contractor B y = 116x	
		Feet	(\$	5)		
		1869	214,			
		1423	163,	645		
	What is t	he difference ii	n 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** 2 y = 0.08xTotal **Total Kilowatt-**Cost Hours (\$) 105.20 1315 1304 104.32 y = 0.08xFind 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 B Company A** y = 30.00x**Total Cost** Total **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 (\$) 214,935 1869 163,645 1423 y = 115xWhat is the difference in the price per square foot between contractor A and contractor B?

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 = 115x**Total Price** Square Feet (\$) 3. 1978 225,492 1926 219,564 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 Company B** y = 0.14xTotal **Total Kilowatt-**Cost Hours (\$) 1264 126.40 1417 141.70 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 Junk Yard B y = 1.90x**Total Price Pounds** (\$) 1406 2,713.58 1462 2,821.66 What is the difference in the price per pound between junk yard A and junk yard B?

Math

Comparing Measurement with Tables and Equations Name:

Answer Key

Solv	ve each pro	blem.				Answers
1)	Two contra table below	1	169,632			
	total price and x representing the square feet of the house. Contractor A Contractor B					174.72
	Г	Square	Total Price	y = 115x	2	1/4./2
		Feet	(\$)	, s	2	0.03
		1978	225,492		3	
	_	1926	219,564			
	L	y =	114x			
	Find the to contractor.		d get from build	ding a 1,488 sq/ft house from the cheapest		
2)	Company A	A is represent tion, with y r	ted in the table epresenting the mpany A Tota			
	Find the to expensive	tal cost in do	's (\$) 4 126.4 7 141.7 = 0.10x	0		
3)	table below	v. Junk Yard representing Junk	•	p metal. Junk Yard A's price is represented in the resented by an equation, with y representing the total metal recycled. Junk Yard B y = 1.90x		
	What is the	•	(\$) 2,713.58 2,821.66 = 1.93x n the price per p	bound between junk yard A and junk yard B?		
	Math	www.	CommonCoreSh	eets.com 6		1-3 67 33 0

Comparing Measurement with Tables and Equations Name:

		Comparing	g Micasurenic	The write radies and Equations Name.			
Solv	Solve each problem.						
1)	table belo	ow. Contractor	B's price is rep	ng a house. Contractor A's price is represented in the presented by an equation, with y representing the re feet of the house.	1		
	Contractor AContractor BSquareTotal Pricey = 123x				2.		
					2		
		Feet	(\$)		3		
		1534	173,342				
		1428	161,364				
	Find the contracto		d get from buil	ding a 1,351 sq/ft house from the cheapest			
2)	represent	ted in the table	below, while the total cost in dol	e pound. The cost of sugar for Company A is ne cost for Company B is represented by an equation, llars for x pounds of sugar. Company B			
		Total	Total	$\mathbf{y} = \mathbf{0.22x}$			
		Pounds	Cost (\$)				
		20	5.40				
		11	2.97				
	Find the company		llars of buying	17 pounds of sugar from the more expensive			
3)	is represe	ented in the tab	le below. The p ion, with y repr	andy. The pieces of candy you get from Company A pieces of candy you get per box from Company B is resenting the total number of pieces for x boxes. Company B y = 27x			
		19	532				
	What is t B?	he difference in	n the number o	f pieces per box between Company A and Company			

 Comparing Measurement with Tables and Equations
 Name:
 Answer Key

 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 1	B
y = 123x	

	Feet	(\$)				
	1534	173,342				
	1428	161,364				
y = 113x						
	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			
y = 0.27x				

Contractor A

Square

Total Price

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	Total			
Boxes	Pieces			
10	280			
19	532			
y = 28x				



Company B y = 0.22x

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

152,663

1.

		Comparing	g Measureme	nt with Tables and Equations Name:	
Solv	ve each pr			<u>^</u>	Answers
1)	table belo	ow. Contractor	B's price is repr	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
		Contra	actor A	Contractor B	2.
		Square	Total Price	y = 126x	
		Feet	(\$)		3
		1315	144,650		
		1795	197,450		
	Find the contracto	- ·	d get from build	ling a 1,821 sq/ft house from the cheapest	
2)	represent	ted in the table	below, while the otal cost in dol	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. Company B y = 0.29x	
	Find the company		lars of buying	19 pounds of sugar from the more expensive	
3)	Company	A is represent uation, with y re	ed in the table lepresenting the	y Kilo-watt hour. The cost of electricity for below, while the cost for Company B is represented total cost in dollars for x kilowatt hours.	
			npany A	Company B y = 0.14x	
		Total Kilo Hour 1280	s Cost (\$) 128.0	0	
		1312	131.2		
	What is t	he difference ir	n price per kilov	watt hour between Company A and Company B?	

Comparing Measurement with Tables and Equations **Answer Key** Name: Solve each problem. Answers 1) Two contractors are bidding on building a house. Contractor A's price is represented in the 200,310 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** 5.51 2 y = 126x**Total Price** Square Feet (\$) 0.04 3. 1315 144,650 1795 197,450 y = 110xFind 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 y = 0.29xFind 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 y = 0.10xWhat is the difference in price per kilowatt hour between Company A and Company B?

Comparing Measurement with Tables and Equations Name: 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 = 20xTotal Total **Boxes** Pieces 11 253 18 414 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 Junk Yard B y = 2.49x**Total Price Pounds** (\$) 1024 1,812.48 1795 3,177.15 Find the total price you'd get from recycling 1,731 pounds of metal at the more expensive junk yard.

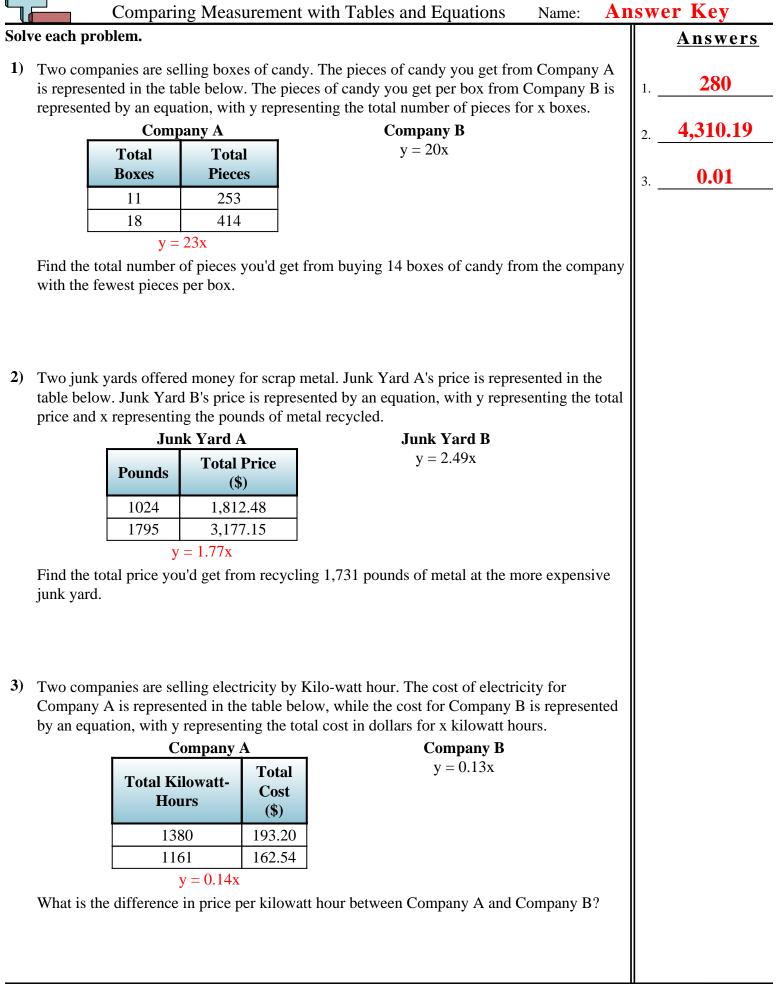
3) Two companies are selling electricity by Kilo-watt hour. The cost of electricity for Company A is represented in the table below, while the cost for Company B is represented by an equation, with y representing the total cost in dollars for x kilowatt hours.

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?

Math



		Compan	ing mousurer	nent with rables and Equations Mane.	
Solv	ve each p	<u>Answers</u>			
1)	Two con Compar by an ec	1			
	Company A Company B				2.
				tal $y = 0.10x$	
		Total Ki	lowatt-	ost	2
		Hou	irs (\$)	3
		126	66 113	3.94	
		105		.68	
	Find the compan		ollars of buyir	g 1,315 kilowatt hours of electricity from the cheapest	
2)	Two con is represent represent				
		Total	oany A Total	Company B y = 30x	
		Boxes	Pieces	j con	
				-	
		20 13	500 325	-	
		15	525		
		total number of most pieces p		l get from buying 20 boxes of candy from the company	
3)	Two con represen with y re				
		Total	Total Cos	y = 12.00x	
		Pounds	(\$)		
		20	220.00		
		16	176.00		
		L	Į		
	What is	the difference	in price per po	ound between Company A and Company B?	

		Comparir	ng Measurem	ent with Tables and Equations	Name: An	swe	r Key
Sol	ve each p	oroblem.					Answers
1)	Compar	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.			1	118.35	
		Company A Company B			2.	600	
		Total Ki	lowatt- Tot Co				1
		Hou	irs (\$			3	1
		126	66 113.	94			
		105		58			
	y = 0.09x						
	Find the total cost in dollars of buying 1,315 kilowatt hours of electricity from the cheapest						
	compan	y.					
3)	т	• •	u. 1 c		C • •		
2)		-	-	andy. The pieces of candy you get from pieces of candy you get per box from (
	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						
		Total	Total	y = 30x			
		Boxes	Pieces				
		20	500				
		13	325				
	y = 25x						
	Find the total number of pieces you'd get from buying 20 boxes of candy from the company						
	with the	e most pieces pe	er box.				
2)	m						
3)		-		by the pound. The cost of jerky for Cost he cost for Company B is represented l			
	-				by an equation,		
	with y representing the total cost in dollars for x pounds of jerky. Company A Company B						
		Total	Total Cost	y = 12.00x			
		Pounds	(\$)				
		20	220.00	7			
		16	176.00				
	y = 11.00x						
	What is the difference in price per pound between Company A and Company B?						
						I	