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 = 30xTotal Total Pieces **Boxes** 10 200 13 260 Find the total number of pieces you'd get from buying 16 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 = 0.26xTotal Total **Pounds** Cost (\$) 13 3.77 10 2.90 Find the total cost in dollars of buying 13 pounds of sugar 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 Company B** y = 27.00xTotal **Total Cost** Pounds (\$) 12 228.00 11 209.00 What is the difference in price per pound between Company A and Company B?

Math

	Comparing Measurement with Tables and Equations Name: A	iswer Key
Sol	ve 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. <u>320</u>
	Company A Company B	377
	$\begin{array}{c c} \hline \hline \\ $	2
	Boxes Pieces	3. 8
	10 200	
	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	
	y = 20x Find the total number of pieces you'd get from buying 16 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	
	Total Total y = 0.20X Pounds Cost (\$)	
	$\begin{array}{c c} \hline 13 \\ \hline 3 \\ 77 \\ \hline \end{array}$	
	10 2.90	
	y = 0.29x	
	Find the total cost in dollars of buying 13 pounds of sugar 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 Company B	
	TotalTotal Cost $y = 27.00x$	
	Pounds (\$)	
	12 228.00	
	$\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 price per pound between Company A and Company B?	

Math