Identifying Constant of Proportionality (Tables) Name:									
Determine the constant of proportionality for each table. Express your answer as $y = kx$	Answers								
	$\mathbf{x}_{\mathrm{Ex.}}$ $\mathbf{y} = 4\mathbf{x}$								
Cx) Glasses of Lemonade (x) 5 8 2 7 4	$\sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j$								
Lemons Used (y) 20 32 8 28 16	1								
For every glass of lemonade there were <u>4</u> lemons used.									
Chocolate Bars (x) 5 3 6 9 8	2								
Calories (y) 1,300 780 1,560 2,340 2,080	3.								
Every chocolate bar has calories.									
	4								
2) Pounds of Beef Jerky (x) 5 6 10 3 8	5.								
Price in dollars (y) 55 66 110 33 88	5								
For every pound of beef jerky it cost dollars.	6								
3) Time in minute (x) 4 5 2 3 9									
Distance traveled in meters (y) 64 80 32 48 144	7								
Every minute meters are travelled.	8.								
4) Boxes of Candy (x) 5 6 9 2 10									
Pieces of Candy (y) 80 96 144 32 160									
For every box of candy you get pieces.									
5) Concrete Blocks (x) 3 8 7 10 5									
weight in kilograms (y) 15 40 35 50 25									
Every concrete block weighs kilograms.									
6) Lawns Mowed (x) 8 5 10 4 2									
Dollars Earned (y) 248 155 310 124 62									
For every lawn mowed dollars were earned.									
7) Phone Sold (x) 8 2 3 6 7									
Money Earned (y) 272 68 102 204 238									
Every phone sold earns dollars.									
8) Enemies Destroyed (x) 4 9 2 10 6									
Points Earned (y) 116 261 58 290 174									
Every enemy destroyed earns points.									
O 1-8 88 7	15 63 50 38 25 13 0								
Math www.CommonCoreSheets.com 8	5 05 50 50 25 15 0								

	Identify	ing Co	nstan	t of Pro	oporti	ionalit	y (Tab	les) Na	ame: Ar	nswer Key	
Determine the constant of proportionality for each table. Express your answer as $y = kx$										Answers	
-			1	-	1	1	·1			$\mathbf{v} = \mathbf{v} - \mathbf{A}\mathbf{v}$	
Ex)	Glasses of Lemonad	le (x)	5	8	2	7	4			$E_{x.} \underline{y = 4x}$	
	Lemons Used (y		20	32	8	28 lemons	16			1. $y = 260x$	
	For every glass of len										
1)	Chocolate Bars (x) 5 3 6 9 8									2. $\mathbf{y} = \mathbf{11x}$	
	Calories (y)	1,300	_			2,340	2,080	_		3. y = 16x	
	Every choc	5									
		4. y = 16x									
2)	Pounds of Beef Jerk	y (x)	5	6 1	0	3 8				v – 5v	
	Price in dollars (55			33 88	3			5. $\mathbf{y} = 5\mathbf{x}$	
	For every pound of beef jerky it cost <u>11</u> dollars.									y = 31x	
3)	Time in minut	ο (v)		4 5	5 7	2 3	9	7			
,	Distance traveled in	. ,	(v)			$\frac{2}{2}$ 48		-		7. $\mathbf{y} = \mathbf{34x}$	
	Every minu	y = 29x									
	2	0. <u> </u>									
4)	Boxes of Candy (x)	5	6	9	2	10					
	Pieces of Candy (y)	80	96	144 3	32	160					
	For every box of ca										
5)	Concerts Placks (y) 2 9 7 10 5										
-)	Concrete Blocks (x) 3 8 7 10 5 weight in kilograms (y) 15 40 35 50 25										
	8 8										
	Every concrete block weighs <u>5</u> kilograms.										
6)	Lawns Mowed (x)	8	5	10	4	2					
	Dollars Earned (y)	248	155	310	124	62					
	For every lawn mow	ed <u>3</u>	1 do	ollars we	ere ea	rned.					
7)	Dhorra Call ()	0		2							
• •	Phone Sold (x)	8 272	2 68	3 102	6 204	7 238					
	Money Earned (y) Every phone so										
	Livery phone se										
8)	Enemies Destroyed	(x)	4	9 2	. 1	0	5				
	Points Earned (y)	1	16 2	261 5	8 2	90 1'	74				
	Every enemy de	estroyed	l earns	s <u>29</u>	_ poi	nts.					
	Math						8		1-8 88 75	5 63 50 38 25 13 0	

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