Identifying Constant of Proportionality (Tables) Name:	
betermine the constant of proportionality for each table. Express your answer as $y = k$	x <u>Answers</u>
Votes for Faye (x)     9     5     7     2     3	Ex. $y = 37x$
Votes for Roger (y)     333     185     259     74     111	1.
For Every vote for Faye there were 37 votes for Roger.	1
	2
Cans of Paint (x)     6     4     10     8     9	
Bird Houses Painted (y) 30 20 50 40 45	3
For every can of paint you could paint bird houses.	4.
2) Glasses of Lemonade (x) 10 8 9 7 4	4.
Lemons Used (y)     30     24     27     21     12	5
For every glass of lemonade there were lemons used.	
	6
<b>3)</b> Chocolate Bars (x) 4 3 5 2 10	7.
Calories (y)     1,272     954     1,590     636     3,180	/
Every chocolate bar has calories.	8
4) Lawns Mowed (x) 4 9 7 5 10	
Dollars Earned (y)172387301215430For every lawn moweddollars were earned.	
donars were earned.	
<b>5)</b> Concrete Blocks (x) 3 5 9 7 4	
weight in kilograms (y) 24 40 72 56 32	
Every concrete block weighs kilograms.	
6)     Boxes of Candy (x)     3     8     5     7     2	
Pieces of Candy (y)     45     120     75     105     30	
For every box of candy you get pieces.	
7) Enemies Destroyed (x) 5 6 3 4 7	
Points Earned (y)15518693124217Every enemy destroyed earnspoints.	
Every enemy desurged earns points.	
<b>8) Pounds of Beef Jerky (x)</b> 8 2 3 6 9	
<b>Price in dollars (y)</b> 128 32 48 96 144	
For every pound of beef jerky it cost dollars.	
Math www.CommonCoreSheets.com	88 75 63 50 38 25 13

8	Identifyi	<u> </u>			-			,			nswe	er Key
er	mine the constant of <b>p</b>	roport	ionali	ty for	each	table.	Express	your and	swer as	$\mathbf{y} = \mathbf{k}\mathbf{x}$		Answers
	Votes for Faye (x)	9		5	7	2	3	7			Ex.	y = 37x
	Votes for Roger (y)	333	3 1	85	259	74	111	-				v - 5v
	For Every vote for Fa	ye there	e were	2 3	7 v	otes for	Roger.	_			1.	y – 3x
1	Cans of Paint (x)		6	4	10	8	9				2.	y = 3x
	Bird Houses Painted		30	20	50		45					$\mathbf{v} = 318\mathbf{x}$
	For every can of paint				5	bird h					3.	y – 510A
										4.	$\mathbf{y} = \mathbf{43x}$	
	Glasses of Lemonad	~ /	10	8			-	_			5.	<b>y</b> = 8 <b>x</b>
	Lemons Used (y		30	24							5.	<b>y</b> – <b>0A</b>
	For every glass of lem	ionade	there	were _	3	_ lemo	ns used.				6.	y = 15x
	Chocolate Bars (x)	4	3		5	2	10	]			7.	$\mathbf{v} = 31\mathbf{x}$
	Calories (y)	1,272	95	4 1	,590	636	3,180	]			/.	<u> </u>
-	Every chocol	ate bar	has _	318	cal	ories.		-			8.	<b>y</b> = 16 <b>x</b>
	Lawns Mowed (x)	4	9	7	4	5 10	)					
	<b>Dollars Earned (y)</b>	172	387	30	1 21	5 43	0					
-	For every lawn mow	ed <u>4</u>	3 0	lollars	s were	earned						
	<b>Concrete Blocks (x)</b> 3 5 9 7 4											
	weight in kilograms (y) 24 40 72 56 32											
•	Every concrete bloc	k weig	hs	8	kilogi	ams.						
	Boxes of Candy (x)	3	8	5	7	2						
	Pieces of Candy (y)	45	120	75	105	30						
	For every box of car	ndy you	ı get _	15	pie	ces.						
	Enemies Destroyed (	<b>x</b> )	5	6	3	4	7					
	Points Earned (y)	1	55	186	93	124	217					
	Every enemy de	stroyed	1 earns	s <u>3</u>	1 p	oints.						
	Pounds of Beef Jerky	y (x)	8	2	3	6	9					
	Price in dollars (y		128	32	48	96	144					
	For every pound of			I	1						11	