Identifying Constant of Proportionality (Tables) Name:										
Determine the constant of proportionality for each table. Express your answer as $y = kx$ <u>Answers</u>										
Ex)	Concrete Blocks (x) 6	5 5	7 9	3		$\mathbf{v} = 9\mathbf{x}$			
	weight in kilograms	(y) 54	4 45	63 81	27		Ex. $\mathbf{y} = \mathbf{y}\mathbf{x}$			
	Every concrete bloc	1								
1)	Time in minute (x)	7	8 6	4 2		2.			
	Gallons of Water Us	lons of Water Used (y) 315 360 270 180 90								
	Every minute	3								
2)	Chocolate Bars (x)	6	7	3	4 10		4			
	Calories (y)	1,530	1,785	765	,020 2,550		5.			
	Every choco									
3)										
3)	Pounds of Beef Jerky		6 7 84 98		2 5 28 70		7.			
	Price in dollars (y For every pound of b	/								
		8								
4)	Pieces of Chicken (x)	3	69	5 1	0					
	Price in dollars (y)	6	12 18		0					
	For each piece of chic	ken it c	osts	dollars	5.					
5)	Boxes of Candy (x)	10	3 4	5	2					
	Pieces of Candy (y)	160	48 64	80	32					
	For every box of can	dy you	get	pieces						
6)			0 10			Г				
0)	Votes for Robin (x)		8 10 12 39		2 9 78 351	-				
	Votes for Edward (y For Every vote for Ro	/			tes for Edward.					
				10						
7)	Lawns Mowed (x)	4	10	9 6	5					
	Dollars Earned (y)	144	360 32	24 216	180					
	For every lawn mowe	ed	dolla	rs were ea	rned.					
9)										
8)	Cans of Paint (x)		7 8		2 10					
	Bird Houses Painted		$\frac{28}{100}$		8 40 ird houses.					
For every can of paint you could paint bird houses.										
	Math www.0	Common	CoreShee	ts.com	4	1-8	88 75 63 50 38 25 13 0			

Identifying Constant of Proportionality (Tables) Name: Answer Key											
Determine the constant of proportionality for each table. Express your answer as y = kx											Answers
Ex)	Concrete Blocks (x)	(6 5	7	9	3				г	$\mathbf{v} - 0\mathbf{v}$
	weight in kilograms (y	7) 5	64 45	63	81	27				Ex.	y – y A
	Every concrete block weighs 9 kilograms.										y = 45x
1)	Time in minute (x)	7 8 6 4 2						2.	y = 255x	
	Gallons of Water Used	d (y)	315 360 270 180 90						3.	- 14-	
	Every minute <u>45</u> gallons of water are used.										y = 14x
2)										4.	y = 2x
2)	Chocolate Bars (x)	6	7		3	4	10	-			
		Calories (y) 1,530 1,785 765 1,020 2,550								5.	$\mathbf{y} = \mathbf{16x}$
	Every chocolate bar has <u>255</u> calories.										$\mathbf{v} = \mathbf{39x}$
3)	Pounds of Beef Jerky	(x)	6	7	9	2 5				6.	$\mathbf{y} = \mathbf{y}\mathbf{x}$
	Price in dollars (y)	()				8 70	_			7.	y = 36x
	For every pound of beef jerky it cost 14 dollars.										
		-								8.	$\mathbf{y} = 4\mathbf{x}$
4)	Pieces of Chicken (x)	3	6	9 :	5 10)					
	Price in dollars (y)	6	12	18 1	.0 20)					
	For each piece of chick	en it c	costs	2	dollars	•					
5)	Boxes of Candy (x)	10	3	4	5	2					
	Pieces of Candy (y)	160	48			2					
	For every box of cand	y you	get	16	pieces.]					
						_					
6)	Votes for Robin (x)		8	10	7	2	9	_			
	Votes for Edward (y)			390	273	78	351				
	For Every vote for Rob	in the	re were	39	vot	es for	Edward				
7)	Lawns Mowed (x)	4	10	9	6	5	7				
,		4	360	324	216	180	-				
	For every lawn mowed			ollars w							
			<u> </u>								
8)	Cans of Paint (x)		7	8	9	2	10				
	Bird Houses Painted	(y)	28	32	36	8	40				
	For every can of paint you could paint <u>4</u> bird houses.										
									1-8 88	75 62	50 38 25 13 0
	Math www.Co	ommoi	nCoreSl	neets.co	om		4		1-0 88	13 03 1	