Identify	ing Co	onstan	t of P	Propor	tiona	ality	(Tabl	es)	Name:			
etermine the constant of	proport	tionali	ty for	each t	able.	Exp	ress yo	our answe	er as y =	kx		Answers
x) Concrete Blocks (v)	6 5	5 7	7 9	3	2					Ex.	y = 9 x
weight in kilograms			5 6								_	
Every concrete blo				kilogra		,					1	
				U							2.	
1) Time in minute	(x)	7	8	6		4	2				2	
Gallons of Water U	sed (y)	315	36	0 27	0	180	90				3.	
Every minute		gallo	ns of v	water a	re us	ed.						
2) Chocolate Bars (x)			7	3			10				4	
Chocolate Dars (X)	6			_	4		10				5.	
Calories (y) Every choo	1,530	,		765	1,02		2,550					
Every choc		u nas _			51105.						6	
3) Pounds of Beef Jerl	xy (x)	6	7	9	2	5]				_	
Price in dollars (y)	84	98	126	28	70	1				7	
For every pound of	beef jer	ky it c	ost		dolla	rs.	1				8.	
											_	
4) Pieces of Chicken (x	<i>.</i>	6	9		10							
Price in dollars (y)		12	18		20							
For each piece of chi	cken it	costs _		_dolla	rs.							
5) Boxes of Candy (x)	10	3	4	5	2							
Pieces of Candy (y)	160	48	64	80	32							
For every box of ca	ndy you	ı get _		_ piece	s.							
				-1				-				
6) Votes for Emily (x		8	10	7		2	9					
Votes for Edward		312	390	273		78	351					
For Every vote for E	mily the	ere wer	re	V	otes f	tor E	dward.					
7) Lawns Mowed (x)	4	10	9	6		5						
Dollars Earned (y)	144	360	324			80						
For every lawn mov				were e								
8) Cans of Paint (2)	K)	7	8	9	2		0					
Bird Houses Painte	-	28	32	36	8		0					
For every can of pair	nt you co	ould pa	aint		bird l	nous	es.					
							4		1-8	88 75	63 5	0 38 25 13 (
Math	.Commo	nCoreS	Sheets.	com		2	1		1-0	00 73	102 2	0 0 20 20 15

C

	Identifyi	ng Co	nstar	nt of	Prop	orti	onali	ty (Tabl	les)	Nan	ne: A	nsw	er Key
erm	nine the constant of p	roport	tional	ity fo	r eac	h tal	ole. Ex	xpress y	our ansv	ver as y	$v = \mathbf{k}\mathbf{x}$		Answers
													0
	Concrete Blocks (x)	6	5	7	9	3					Ex.	$\mathbf{y} = 9\mathbf{x}$
	weight in kilograms ((y) 5	54	45	63	81	27						$\mathbf{v} = \mathbf{45x}$
	Every concrete bloc	k weig	ghs	9	kilo	gram	s.					1.	
Г			1				1.					2.	$\mathbf{y} = \mathbf{255x}$
┝	Time in minute (x		7		8	6	4	2					
	Gallons of Water Use		315		60	270	180					3.	$\mathbf{y} = \mathbf{14x}$
	Every minute	45	_ gallo	ons of	wate	er are	used.						$\mathbf{v} = 2\mathbf{x}$
	Chocolate Bars (x)	6		7	3		4	10]			4.	
	Calories (y)	1,530	_	, 785	765	1	,020	2,550				5.	y = 16x
	Every choco	-				calor		_,]				
												6.	$\mathbf{y} = \mathbf{39x}$
	Pounds of Beef Jerky	v (x)	6	7	9	2	2 5	5				7.	v = 36v
	Price in dollars (y)	84	98	126	5 2	8 7	0				/.	<u> </u>
	For every pound of b	eef jer	ky it o	cost _	14	do	ollars.					8.	y = 4x
		-					_						
	Pieces of Chicken (x)	3	6	9	5	10	_						
	Price in dollars (y)	6	12	18	10								
	For each piece of chick	ken it o	costs _	2	do	ollars	•						
	Boxes of Candy (x)	10	3	4	5	2							
	Pieces of Candy (y)	160	48	64	-	_	_						
	For every box of can			16		eces.	-						
		5 5 2 0	0	-	r -	. ~ •							
	Votes for Emily (x)		8	10		7	2	9					
	Votes for Edward (y) 3	312	390		273	78	351					
	For Every vote for Em	ily the	ere we	re	39	vot	es for	Edward.					
F							i	-					
	Lawns Mowed (x)	4	10	9	_	6	5	4					
	Dollars Earned (y)	144	360			216	180						
	For every lawn mowe	d 3	86	dollar	s wei	re eai	med.						
Г	Cans of Paint (x)		7	8		9	2	10					
	Bird Houses Painted		28	32		36	2 8	40					
	For every can of paint	-					rd hou						
		,	P										
	Math							4			1-8 88	75 63	50 38 25 13