rmine the constant of p				Propor r each (					er as	$\mathbf{y} = \mathbf{k}\mathbf{x}$		Answer
												. –
Phone Sold (x)	2	5	3	6	4						Ex.	$\mathbf{y} = 47\mathbf{y}$
Money Earned (y)	94	235	141	282	188							
Every phone so	ld ear	ns	47	dollars.		_					<sup>1.</sup>	
		<b>1</b>									2.	
Pounds of Beef Jerk		2	4		-	9						
Price in dollars (y	-	20	40			90					3.	
For every pound of b	eef jei	ky it c	ost		dollars	5.						
Tickets Sold (x)	4	9	8	5	7						4.	
Money Earned (y)	48	108	96		84						5.	
Every ticket sold				earned.								
		_			_						6.	
Cans of Paint (x	)	2	5	6	9	7					7.	
Bird Houses Paintee	d (y)	8	20	24	36	28					/.	
For every can of pain	t you c	could p	aint_		bird h	ouses.					8.	
			1.					٦				
Time in minut			4	3	10	7	9	-				
Distance traveled in			76		190	133	171					
Every min	ute		meter	s are tra	ivened	1.						
Time in minute (	( <b>x</b> )	8	3	6	4	1	0					
Gallons of Water Us	ed (y)	24	) 90	) 180	) 12	0 30	00					
Every minute	-	gallo	ons of	water a	re use	d.						
	-		-	· · · ·		1						
Boxes of Candy (x)	5	9	3	2	6							
Pieces of Candy (y)	90	162	54	36	108							
For every box of ca	ndy yo	ou get		piec	es.							
Pieces of Chicken (x	) 3	10	7	9	4							
Price in dollars (y)	) 3 6	-	14	18	8							
For each piece of chic				dolla	_							
i or cuch proce or enter												
		6	2	9	3							
Lawns Mowed (x)	7				-							
Lawns Mowed (x) Dollars Earned (y)	7 294	252	84	378	126	5						
	294			378 were e								

mine the constant of <b>j</b>	propor	tional	ity for	each t	able. Express your answer as y = kx	Answei
Dharas Cald (a)	2	5	3	6		$\mathbf{y} = 47$
Phone Sold (x) Money Earned (y)	2 94	5 235	3 141	6 282	4 188	
Every phone so				ollars.	100	1. <b>y</b> = <b>10</b>
	Jiu cui		<u>.,                                    </u>	onuis.		v = 12
Pounds of Beef Jerk	xy (x)	2	4	5	8 9	$2.  \mathbf{y} = 1\mathbf{z}$
Price in dollars (	y)	20	40	50 8	0 90	3. <b>y</b> = 4x
For every pound of b	peef jei	ky it c	ost	10 0	lollars.	
						4. <b>y</b> = <b>19</b>
Tickets Sold (x)	4	9	8	5	7	y = 30
Money Earned (y)	48	108	96		34	3. <u> </u>
Every ticket sold	12	dolla	rs are e	arned.		6. <b>y = 18</b> 2
Cans of Paint (x	()	2	5	6	9 7	
Bird Houses Painte		8	20	24	36 28	7. $\mathbf{y} = 2\mathbf{x}$
For every can of pain					pird houses.	y = 42
						0.
Time in minu	te (x)		4	3	10 7 9	
Distance traveled in	meter	<b>rs</b> (y)	76	57	190 133 171	
Every min	ute	19	meters	are tra	velled.	
Time in minute	( <b>x</b> )	8	3	6	4 10	
Gallons of Water U		-		_	120 300	
Every minute					re used.	
Boxes of Candy (x)	5	9	3	2	6	
Pieces of Candy (y)	90	162	54	36	108	
For every box of ca	indy yo	ou get	18	_ piec	es.	
		10	7	0	4	
Pieces of Chicken (x		+	7	9	4	
Price in dollars (y)			14 2	18 dolla	8	
For each piece of chi	CNCII II	00818	4		.5.	
For each piece of chi		1	2	9	3	
For each piece of chine <b>Lawns Mowed</b> (x)	7	6	-		<b>├</b> ───┤	11
-	7 294	6 252		378	126	
Lawns Mowed (x)	294	252	84			

	mine the constant of <b>p</b>	ropor	tionali	ty for	<sup>•</sup> each ta	ble. Ex	xpress	your answer as y = kx	Answer
	Glasses of Lemonad	e (x)	6	10	9	5	3	7	Ex. $y = 4x$
	Lemons Used (y		24	40	36	20	12	-	
I	For every glass of lem	ionade	there	were	4	lemons	s used.		1
1	Boxes of Candy (x)	9	6	4	10	7	7		2
	Pieces of Candy (y)	171	114	76	190	133	1		3.
l	For every box of c	andy y	ou get		piec	es.			
1	Pieces of Chicken (x)	6	8	2	10 9	<del>)</del>			4
	Price in dollars (y)	12	16	4	20 1	8			5
1	For each piece of chic	ken it	costs _	44	dollar	s.			6.
1	Votes for Maria (x)	8	3	9	6	3	4	]	7.
	Votes for Cody (y)	13	36	153	102	51	68		/
·	For Every vote for Ma	aria the	ere wer	re	vo	tes for	Cody.	_	8
	Time in minut	e (x)		5	4	2	7	3	
	Distance traveled in	meter	s (y)	145	116	58	203	87	
	Every minu	ite	r	neters	s are trav	velled.			
	Pounds of Beef Jerk	y (x)	3	10	4	5 9	)		
	Price in dollars (y	r)	30	100	40	50 9	0		
	For every pound of b	beef je	rky it c	ost	d	lollars.			
	Tickets Sold (x)	2	10	9	5	6			
	Money Earned (y)	28	140	126	70	84			
•	Every ticket sold	•	dolla	rs are	earned.				
	Phone Sold (x)	10	6	3	5	9			
	Money Earned (y)	160	96	48	80 14	44			
	Every phone solo	i earns		do	ollars.				
	Lawns Mowed (x)	10	7	5	9	4	7		
	<b>Dollars Earned</b> (y)	360	252	180	) 324	144			
	For every lawn mow	1	•		were ea	1			11

rmine the constant of	-			-		•			nswer Key Answer
•	-		U			•		v	
Glasses of Lemonad	le (x)	6	10	9	5	3	7		Ex. $y = 4x$
Lemons Used (y		24	40	36	20	12	-		v = 10-
For every glass of ler		there v	were _	4	lemons	s used.			1. $y = 19x$
						-			$\mathbf{y} = 2\mathbf{x}$
Boxes of Candy (x)	9	6	4	10	7	4			
Pieces of Candy (y)	171	114							$3.  \mathbf{y} = \mathbf{17x}$
For every box of c	andy y	ou get	19	pied	ces.				y = 29x
Pieces of Chicken (x	) 6	8	2	10	9				4. $y = 2y_{2}$
Price in dollars (y)	<u> </u>		4		18				5. <b>y</b> = 10x
For each piece of chi			2	dolla					1.
							_		6. $y = 14x$
Votes for Maria (x)	8	3	9	6	3	4			y = 16x
Votes for Cody (y)	13	36	153	102	51	68			··
For Every vote for M	aria the	ere wer	re <u>1</u>	1 <u>7</u> vo	otes for	Cody.			8. <b>y = 36x</b>
Time in minut	to (m)		5	4	2	7	3		
Distance traveled in		<b>s</b> ( <b>v</b> )	145	116	58	203	87		
Every min						203	07		
Pounds of Beef Jerk	xy (x)	3	10	4	5 9	)			
Price in dollars (	<b>y</b> )	30	100	40	50 9	0			
For every pound of	beef je	rky it c	ost	10	dollars.				
Tickets Sold (x)	2	10	9	5	6				
Money Earned (y)	28	140	126	70	84				
Every ticket sold	14			earned.					
Phone Sold (x)	10	6	3	5	9				
Money Earned (y)	160	96	48	80 1	44				
Every phone sol	d earns	<u>    16</u>	do	ollars.	-				
	10	7	-		4	7			
Lawns Mowed (x)	10	7	190	9	4	_			
<b>Dollars Earned (y)</b> For every lawn mow	360	252	180 Iollars	) 324 were e					
	.eu	<u> </u>	onars	were e	ai 1100.				

	Identifyi					-				Name:		
Deter	mine the constant of p	ropor	tiona	lity fo	or ea	ich tal	ole. Ex	press y	your answe	$\mathbf{r} \mathbf{as} \mathbf{y} = \mathbf{kx}$		<u>Answers</u>
Ex)	Glasses of Lemonad	le (x)	9		5	3	4	2	]		Ex.	y = 5x
	Lemons Used (y	·)	45	2	25	15	20	10	1			
	For every glass of len	nonade	e there	e were	e	51	emons	used.	-		1.	
						1					2.	
1)	Concrete Blocks (x	x)	8	5	7	2	3					
	weight in kilograms	<b>(y)</b>	72	45	63	18	27				3.	
	Every concrete blo	ck wei	ighs _		_kil	ogram	s.					
		_									4.	
2)	Enemies Destroyed		6	4	1			3				
	Points Earned (y)		264	176				32			5.	
	Every enemy de	estroye	ed ear	ns		_ poir	its.				6.	
3)											-	
3)	Pieces of Chicken (x	_		_	6						7.	
	Price in dollars (y)		_									
	For each piece of chic	ken it	costs		(	dollars	•				8.	
4)	Phone Sold (x)	6	4	5		9	10					
-)			72		-							
	Money Earned (y) Every phone so	108		90	dolla		80					
	Every phone so.	lu call			uon	ai 5.						
5)	Pounds of Beef Jerk	v (x)	9	8	3	5	2	10				
	Price in dollars (y	-	126	_	12			40				
	For every pound of						dollars					
	<i>J</i> 1		, ,									
6)	Votes for Haley (x)		8	10		3	9	2				
	Votes for Kaleb (y)	1	84	230		69	207	46				
	For Every vote for Ha	ley th	ere we	ere		vot	es for l	Kaleb.				
							_					
7)	Tickets Sold (x)	8	5	7	2	9						
	Money Earned (y)	96	60	84	24	108	;					
	Every ticket sold		dolla	ars ar	e ear	ned.	_					
0)		-					1					
8)	Boxes of Candy (x)	7	2	8		4	5					
	Pieces of Candy (y)	140			50		100					
	For every box of ca	andy y	ou get	t		piece	S.					
										1-8 88 7	<u> </u>	50 38 25 13 0

Math

	Identifyi	ng Coi	nstant	of Pro	oporti	onalit	y (Tat	oles)	Name: A1	nswer Key
Deter	mine the constant of <b>p</b>	roporti	ionality	y for e	ach ta	ble. Ex	press y	your answer	as y = kx	Answers
Ex)	Glasses of Lemonad	e (x)	9	5	3	4	2	1		Ex. <u>y = 5x</u>
	Lemons Used (y		45	25	15	20	10	_		
	For every glass of lem	onade t	there w	vere	5 1	emons	used.	1		1. $\mathbf{y} = \mathbf{y}\mathbf{x}$
1)						,				2. <b>y</b> = 44x
1)	Concrete Blocks (x	/	8 5		2	3				
	weight in kilograms Every concrete bloc		$\begin{array}{c c} 2 & 45 \\ \hline hs & 9 \\ \end{array}$		18 logram	27				3. $\mathbf{y} = 1\mathbf{x}$
	Every concrete bloc	k weigi	IIS <u>9</u>	<u> </u>	lografi	15.				$_{4.}$ <b>y</b> = 18 <b>x</b>
2)	Enemies Destroyed (	x) (	5 4	4 1	10	2 3	3			
	Points Earned (y)	26	54 1'	76 4	40 8	38 13	32			5. $\mathbf{y} = \mathbf{14x}$
	Every enemy de	stroyed	learns	44	_ poir	nts.				6. <b>y</b> = 23 <b>x</b>
3)	Pieces of Chicken (x	) 7	5	8 6	5 10	)				v = 12v
	Price in dollars (y)	7	5	8 6	5 10	)				7. $\mathbf{y} = 12\mathbf{x}$
	For each piece of chic	ken it c	osts	1	dollars	•				8. <b>y</b> = 20x
4)	Dhone Sold (y)	6	4	5	9	10				
•)	Phone Sold (x) Money Earned (y)	108				.80				
	Every phone sol			doll		00				
5)	Pounds of Beef Jerky	y (x)	9	8	5	2	10			
	Price in dollars (y		126	112	70		40			
	For every pound of	beef je	rky it c	ost	14	dollars.				
6)	Votes for Haley (x)	8	1	10	3	9	2	7		
	Votes for Kaleb (y)	184	4 2	30	69	207	46	1		
	For Every vote for Ha	ley ther	re were	23	vot	es for I	Kaleb.	_		
7)						_				
,	Tickets Sold (x)		$\frac{5}{50}  \frac{7}{84}$		9	<u>,</u>				
	Money Earned (y) Every ticket sold			$\frac{+}{24}$ are ear		<b>,</b>				
8)	Boxes of Candy (x)	7	2	8	4	5				
	Pieces of Candy (y)	140	40	160	80	100				
	For every box of ca	ndy you	u get _	20	piece	s.				
	M-41						2		1-8 88 7	5 63 50 38 25 13 0
	Math	ommor	CoreSt	heets co	m		3		<b>_</b>	

lF	Identifyin	ng Co	nstan	t of l	Propo	rtion	ality	r (Tabl	es)	Name:		
eter	mine the constant of p	roport	ionali	ty for	each	table	. Exj	oress yo	our answe	r as y = kx		Answers
Cx)	Concrete Blocks (x		6	5	7 9		3				Ex.	$\mathbf{y} = 9\mathbf{x}$
,	weight in kilograms				53 8		.7					
	Every concrete bloc				kilogra						1.	
											2.	
1)	<b>Time in minute</b> (2	<b>K</b> )	7	8	3 (	5	4	2			2.	
	Gallons of Water Use	ed (y)	315	36	50 2'	70	180	90			3.	
	Every minute		gallo	ns of	water	are us	ed.					
2)				_	2	4		10			4.	
<i>4)</i>	Chocolate Bars (x)	6	_	7	3	4		10			5.	
	Calories (y)	1,530		785	765	1,02		2,550			5.	
	Every choco	iale Da	ir nas <sub>-</sub>			iories	•				6.	
3)	Pounds of Beef Jerky	7 <b>(x)</b>	6	7	9	2	5	7				
	Price in dollars (y		84	98	126	28	70	1			7.	
	For every pound of b		ky it c	ost		dolla	ars.				8.	
						-					0.	
4)	Pieces of Chicken (x)	3	6	9	5	10						
	Price in dollars (y)	6	12	18	10	20						
	For each piece of chick	ken it o	costs _		dolla	ars.						
5)	Boxes of Candy (x)	10	3	4	5	2						
	Pieces of Candy (y)	160	48	64	80	32						
	For every box of can		get		piec	es.	1					
								1	_			
6)	Votes for Emily (x)		8	10	7		2	9				
	Votes for Edward (y	/	312	390			78	351				
	For Every vote for Em	ily the	re wei	re	V	otes	for E	dward.				
7)	Lawns Mowed (x)	4	10	9	6		5					
	Dollars Earned (y)	. 144	360				.80					
	For every lawn mowe				s were							
8)	Cans of Paint (x)		7	8	9	2		10				
	Bird Houses Painted	( <b>y</b> )	28	32	36	8		40				
	For every can of paint	you co	ould pa	aint _		bird	hous	es.				
										/		
-	Math www.0	Commo	nCore	Sheets	.com			4		1-8 88	75 63	50 38 25 13 0

C

	Identifyi	ng Co	onstai	nt of	Prop	porti	onali	ty (Tab	les)	Na	me:	Answ	er Key
eri	nine the constant of p	roport	tional	ity fo	r eac	ch tal	ole. E	xpress y	our ans	wer as	$\mathbf{y} = \mathbf{k}\mathbf{x}$		Answers
_													0
ſ	Concrete Blocks (x	)	6	5	7	9	3					Ex.	$\mathbf{y} = 9\mathbf{x}$
	weight in kilograms (	(y)	54	45	63	81	27						$\mathbf{v} = \mathbf{45x}$
_	Every concrete bloc	k weig	ghs	9	kilo	gram	s.					1.	
Г							1					2.	$\mathbf{y} = \mathbf{255x}$
+	Time in minute (x		7		8	6	4	2					14
L	Gallons of Water Use		31:		60	270	180					3.	$\mathbf{y} = \mathbf{14x}$
	Every minute	45	_ gallo	ons of	wate	er are	used.						$\mathbf{v} = 2\mathbf{x}$
Γ	Chocolate Bars (x)	6		7	3		4	10	]			4.	J — <b>_</b> A
	Calories (y)	1,530	_	785	765	5 1	,020	2,550	1			5.	<b>y</b> = 16 <b>x</b>
L	Every choco	-				calor	,	_,	]				
												6.	$\mathbf{y} = \mathbf{39x}$
	Pounds of Beef Jerky	v ( <b>x</b> )	6	7	9		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	cost _	14	d	ollars.					8.	y = 4x
г		_			1	-							
	Pieces of Chicken (x)	3	6	9	5	10	_						
	Price in dollars (y)	6	12	18	10								
	For each piece of chick	ken it	costs	2	do	ollars	•						
Γ	Boxes of Candy (x)	10	3	4	5								
	Pieces of Candy (y)	160	48	64	_	_	2						
L	For every box of can			16		eces.							
		5 5 - 0	<u> </u>	~	r -								
	Votes for Emily (x)		8	10		7	2	9	7				
	Votes for Edward (y	)	312	390	)	273	78	351					
	For Every vote for Em	ily the	ere we	ere	39	vot	es for	Edward	<b>.</b>				
г			i		i		i	-					
	Lawns Mowed (x)	4	10	9	_	6	5	_					
L	Dollars Earned (y)	144	360			216	180						
	For every lawn mowe	ed	36	dollar	s we	re ea	rned.						
Г	Cans of Paint (x)		7	8		9	2	10					
┢	Bird Houses Painted		28	32	, ,	9 36	2 8	40					
L	For every can of paint	-					o rd hou						
	i or every can or paint	y04 C	յուղ ե		+	01		10 <b>0</b> 0.					
								4			1-8 88	3 75 63	50 38 25 13

	Identifyi	ng Co	nstant (	of Pro	oport	ionalit	y (Ta	bles) Name:	
Deter	mine the constant of p	roporti	ionality	for ea	ich ta	ble. Ex	press	your answer as y = kx	Answers
Ex)	Time in minute (	x)	2	9	6	3	4	7	Ex. $\mathbf{y} = 39\mathbf{x}$
	Gallons of Water Us	ed (v)	78	351	234	117	156	-	
	Every minute		gallons	of wa	ter ar	e used.			1
									2.
1)	Boxes of Candy (x)	5	8	4	3	9			
	Pieces of Candy (y)	100	160	80	60	180			3
	For every box of ca	ndy yo	u get		piece	es.			
2)	Votes for Dechel (r)	3	9		6	8	2	7	4
_)	Votes for Rachel (x) Votes for Sam (y)	60			20	0 160	40	-	5.
	For Every vote for Ra					otes for			
					``	5105 101	Buill.		6
3)	Tickets Sold (x)	4	7 8	10	3	;			
	Money Earned (y)	40 7	70 80	100	) 3	0			7
	Every ticket sold		dollars a	are ear	ned.	]			8.
4)	Time in minut		_	_	7	4	9	10	
	Distance traveled in						270	300	
	Every min	ute	m	eters a	re tra	velled.			
5)	Pieces of Chicken (x	7	3 4	4 5		)			
	Price in dollars (y)	14		8 10					
	For each piece of chic				dollar				
	-								
6)	Concrete Blocks (x	) :	5 10	6	8	4			
	weight in kilograms	( <b>y</b> ) 4	0 80	48	64	32			
	Every concrete bloc	k weig	hs	kil	ogran	ns.			
7)		2	0	-	10	(			
.,	Phone Sold (x)	3 87 2			10	6 174			
	Money Earned (y) Every phone so				290   lars.	1/4			
	Every phone so				iais.				
8)	<b>Enemies Destroyed</b> (	<b>x)</b> 1	0 2	5		8 (	6		
	<b>Points Earned (y)</b>	49	90 98	24	5 3	92 29	94		
	Every enemy de	stroyed	l earns	-	_ poi	nts.	I		
	Math	Commo	nCoreShe	eets co	m		5	1-8 88	75 63 50 38 25 13 0
	W W W.	-0111101							

	Identifyi	ng Con	stant o	of Propor	tionalit	y (Tables) Name:	Answer Key
Deter	mine the constant of p	oportio	onality	for each t	able. Ex	press your answer as y =	kx <u>Answers</u>
Ex)	Time in minute (x	()	2	9 6	3	4	$\mathbf{E}_{\mathbf{X}} \mathbf{y} = 39\mathbf{x}$
	Gallons of Water Us		78 3	351 234	117	156	20
	Every minute			of water a			1. $y = 20x$
							$_{2.}$ <b>y</b> = <b>20x</b>
1)	Boxes of Candy (x)	5	8	4 3	9		2. <b></b>
	Pieces of Candy (y)	100	160	80 60	180		3. <b>y</b> = 10x
	For every box of ca	ndy you	get	20 piec	es.		
- `		_				·1	4. $y = 30x$
2)	Votes for Rachel (x)	3	9	6	8	2	v – 2v
	Votes for Sam (y)	60	180	120	160	40	5. $\mathbf{y} = 2\mathbf{x}$
	For Every vote for Rad	chel the	re were	20	votes for	Sam.	$\mathbf{y} = 8\mathbf{x}$
3)							0.
3)	Tickets Sold (x)	4 7			3		7. <b>y = 29x</b>
	Money Earned (y)	40 7			30		
	Every ticket sold	<u>10</u> d	lollars a	re earned.			8.   y = 49x
4)	Time in minute	( <b>v</b> )	3	7	4	9 10	
,	Distance traveled in a					270 300	
	Every min			ters are tra		270 300	
	Every min	ite <u> </u>	<u> </u>		avenea.		
5)	<b>Pieces of Chicken (x)</b>	7	3 4	. 5	9		
	Price in dollars (y)	14	6 8	10	18		
	For each piece of chic	ken it co	osts 2	dolla	rs.		
6)	Concrete Blocks (x	5	10	6 8	4		
	weight in kilograms	<b>y</b> ) 40	) 80	48 64	32		
	Every concrete bloc	k weigh	IS 8	kilogra	ms.		
					,		
7)	Phone Sold (x)		8 5		6		
	Money Earned (y)		32 14		174		
	Every phone so	d earns	29	_ dollars.			
8)	Enoming Destroyed	z) 10	) 2	5	0 /	5	
0)	Enemies Destroyed (	_		5		5	
	Points Earned (y)	49				94	
	Every enemy de	subyed	earns _	<u>49</u> po	ints.		
						<b>~</b> 1-8	8 88 75 63 50 38 25 13 0
	Math www.0	Common	CoreShe	ets.com		5	

rmine	the constant of p	oropor	tional	ity fo	r eac	h tat	ole. l	Expre	ss ya	our ansv	ver as	$\mathbf{y} = \mathbf{k}\mathbf{x}$		Answ
	Time in minute	( <b>x</b> )	5	1	0	7	2		•				Ex.	y = 3
Ga	llons of Water Us		_		90	273	7		51					
	Every minute												1.	
Ch	ocolate Bars (x)	4		5	9		3		3	l			2.	
	Calories (y)	1,32		650	2,97		990			1				
	Every choc				-			2,0	-10				3.	
Pol	inds of Beef Jerk	<b>v</b> ( <b>x</b> )	8	7	9	,	4	3					4.	
	Price in dollars (	• • •	104		11		52	39					5.	
	or every pound of						olla							
Em	and Desturned	()	10	9	7		8	3					6.	
	emies Destroyed				-	_							7.	
1	Points Earned (y) Every enemy d		160	144	112		28	48						
	Every enemy d	estroy				pom	its.						8.	
Vo	otes for Maria (x)	)	9	4	1	0	6		7					
Vo	tes for George (y	) 4	-23	188	47	70	28	2 3	329					
For	Every vote for M	aria th	ere we	re		vote	es fo	or Geo	rge.					
Pie	ces of Chicken (x	:) 3	9	2	7	6								
Pı	rice in dollars (y)	6	18	4	14	12	2							
For	each piece of chie	cken it	costs		do	ollars	•							
		0	6			4	0							
	hone Sold (x)	8	6	5	- 1	4	9	_						
Mo	ney Earned (y)	248	186		dolla	24	27	9						
	Every phone s		.118		uona	118.								
La	wns Mowed (x)	6	9	10	)	8	5							
Do	llars Earned (y)	270	405	45	0 1	360	22	5						
Fo	r every lawn mow	ved	·	dollar	s wei	re ear	rned							
Bo	xes of Candy (x)	2	9	4	3		7							
Pie	ces of Candy (y)	34	153	68	51	1	19							
F	or every box of ca	ndy yo	ou get	ł	pi	ieces								

nine the constant of p	-	onstan tionali		each	table.	Expr	ess your answer as y :	$=$ kx $\underline{A} n s w$
Time in minute (	x)	5	10	, ,	7 2	2	9	Ex. <b>y</b> = <b>3</b>
Gallons of Water Us		_	_				51	
Every minute					are use			1. $\mathbf{y} = 3$
			i					2. <b>y</b> = 1
Chocolate Bars (x)	4	;	5	9	3		8	
Calories (y)	1,32			2,970		) 2,	640	3. <b>y = 1</b>
Every choco	olate b	ar has _	330	ca	lories.			$\mathbf{v} = 4$
Pounds of Beef Jerk	v (v)	8	7	9	4	3	]	4. <u>y</u>
Price in dollars (y		104	, 91	117	52	39		5. <b>y</b> = 2
For every pound of	-			13	dolla		]	
		<u> </u>					_	$6.  \mathbf{y} = 3$
Enemies Destroyed	<b>(x)</b>	10	9	7	8	3		$\mathbf{y} = 4$
Points Earned (y)	-	160	144	112	128	48		/. <u> </u>
Every enemy de	estroye	d earns	s <u>16</u>	<u> </u>	oints.			8. <b>y</b> = 1
Votes for Maria (x)		9	4	10	6	;	7	
Votes for George (y		23	188	470	28	2	329	
For Every vote for M	aria th	ere wei	re <u>4</u>	7 _ v	otes fo	or Geo	)rge.	
Pieces of Chicken (x	) 3	9	2	7	6			
Price in dollars (y)	6	18	4	14	12			
For each piece of chic	ken it	costs _	2	doll	ars.			
Phone Sold (x)	8	6	5	4	9			
Money Earned (y) Every phone set	248	186	155	124 lollars		9		
Every phone s	Ju cal		<u>,      </u> (	ionals				
Lawns Mowed (x)	6	9	10	8	5	5		
<b>Dollars Earned (y)</b>	270	405	450	36	0 22	25		
For every lawn mow	ed	4 <u>5</u> d	lollars	were	earned	1		
		0		2	7	1		
Boxes of Candy (x)	2 34	9 153	4	3	7 119			
<b>Pieces of Candy (y)</b> For every box of ca		153	68	51 piec				
	nay ye	- 5 <sup>01</sup> -	1/	_ pict				
Math							1-	·8 88 75 63 50 38 25

F	Identifyi	ng Co	onstai	nt of Pr	oport	ionali	ty (Ta	oles) N	Vame:	
ter	mine the constant of p	ropor	tional	ity for e	each ta	ble. E	xpress	your answer	as $\mathbf{y} = \mathbf{k}\mathbf{x}$	Answers
)							1			$\mathbf{y} = 42\mathbf{x}$
.)	Lawns Mowed (x)	4	8	7	5	2	-			
	<b>Dollars Earned (y)</b> For every lawn mowe	168	336	294 dollars w	210					1
	For every fawir mowe	u <u>4</u>	· <u> </u>	ionais w	ere ca	meu.				
)	Enemies Destroyed (	(x)	9	5	8	7	2			2
	Points Earned (y)	3	306	170 2	272	238	68			3.
	Every enemy de	estroye	d earn	1S	poi	nts.				
			1		i	-	7			4
()	Phone Sold (x)	7	4	5	6	10				
	Money Earned (y)	350	200		300	500				5
	Every phone so	old ear	ns	do	ollars.					6.
5)	Boxes of Candy (x)	9	6	10	5	3				
	Pieces of Candy (y)	153	102			51				7
	For every box of ca				piece					0
	, , , , , , , , , , , , , , , , , , ,		0		_ 1					8
)	Time in minut	e (x)		10	7	5	6	4		
	Distance traveled in	meter	s (y)	270	189	135	162	108		
	Every min	nute		meters	are tra	avelled	•			
5)	Votes for Robin (x)	7		5	9	3	4			
	Votes for Adam (y)	34			441	147	196	_		
	For Every vote for Ro						Adam.			
	,									
)	Pounds of Beef Jerk	y (x)	3	8	4 7	7 5				
	Price in dollars (y	7)	36	96 4	8 8	4 60				
	For every pound of b	eef jer	ky it c	ost	d	ollars.				
)			1							
,	Cans of Paint (x		5	3	2	4	9			
	Bird Houses Paintee		15	9	6	12	27			
	For every can of paint	. you c	ouia p	oannt	t	oird hou	ises.			
5)	Time in minute (	x)	7	8	5	4	2	]		
	Gallons of Water Us		343	3 392	245	5 196		-		
	Every minute _		gallo	ons of w						

Identifyi	-			-		-			Name		nswer Key
rmine the constant of p	oroport	tional	ity for e	each ta	ble. Ex	xpress	your a	nswei	as y :	= kx	Answe
-		-		1		I					Ex. $\mathbf{y} = 4$
Lawns Mowed (x)	4	8	7	5	2						
<b>Dollars Earned (y)</b>	168	336		210	84						1. <b>y</b> = $34$
For every lawn mowe	ed <u>4</u>	<u>2</u> d	lollars w	vere ea	rned.						
<b>Enemies Destroyed</b>	( <b>x</b> )	9	5	8	7	2					2. <b>y</b> = <b>5</b>
Points Earned (y)	3	06	170 2	272	238	68					y = 1'
Every enemy de	estroye	d earn	s <u>34</u>	poi	nts.						
					1	7					4. $y = 2^{2}$
Phone Sold (x)	7	4	5	6	10						$\mathbf{v} = 4$
Money Earned (y)	350	200	250	300	500						5. $y = 4y$
Every phone se	old earı	ns	50 do	ollars.							6. <b>y = 1</b> 2
Boxes of Candy (x)	9	6	10	5	3						- v - 3
Pieces of Candy (y)	153	102	2 170	85	51						7. $y = 3$
For every box of ca	andy yo	ou get	17	piece	s.						8. <b>y = 4</b>
Time in minut	e (x)		10	7	5	6	4	]			
Distance traveled in		s (y)	270	189	135	162	108	-			
Every min		27	meters	are tra	velled			1			
Votes for Robin (x)	7		5	9	3	4					
Votes for Adam (y)	343	3 2	245	441	147	196					
For Every vote for Ro	bin the	ere we	re <u>49</u>	vo	tes for	Adam.					
Pounds of Beef Jerk	y (x)	3	8 4	4 7	5	7					
Price in dollars (	y)	36	96 4	8 84	4 60						
For every pound of b	eef jerl	ky it c	ost 1	2 d	ollars.						
Cans of Paint (x	)	5	3	2	4	9					
Bird Houses Painte		15	9	6	12	27					
For every can of pain					ird hou						
Time in minute (	(x)	7	8	5	4	2	7				
Gallons of Water Us		343		-	-		-				
			ons of w								
Every minute	49	_ ganc	DIIS OI W	aler al	e useu.						

Identifying Constant of Proportionality (Tables) Name:	
Determine the constant of proportionality for each table. Express your answer as $y = kx$	Answers
	$\mathbf{x}_{\mathrm{Ex.}}$ $\mathbf{y} = 4\mathbf{x}$
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
<b>Calories (y)</b> 1,300 780 1,560 2,340 2,080	3.
Every chocolate bar has calories.	
	4
<b>2)</b> 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
<b>3)</b> Time in minute (x) 4 5 2 3 9	
<b>Distance traveled in meters (y)</b> 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.	
<b>5)</b> 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	
<b>Dollars Earned (y)</b> 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.	
<b>O</b> 1-8 88 7	15         63         50         38         25         13         0
Math www.CommonCoreSheets.com 8	5 05 50 50 25 15 0

C

	Identify	ing Co	nstan	t of Pro	oporti	ionalit	y (Tab	les) Na	ame: Ar	nswer Key
Deter	mine the constant of p	<u> </u>			-			,		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	16			1. $y = 260x$
	For every glass of len	nonade	there v	were	4	lemons	used.			
1)	Chocolate Bars (x)	5	3	6		9	8	]		2. $\mathbf{y} = \mathbf{11x}$
	Calories (y)	1,300	_			2,340	2,080	_		3. <b>y = 16x</b>
	Every choc	, í		, í	calo	,	,			5
					-		_			4. <b>y = 16x</b>
2)	Pounds of Beef Jerk	y (x)	5	6 1	0	3 8				v – 5v
	<b>Price in dollars</b> (		55			33 88	3			5. $\mathbf{y} = 5\mathbf{x}$
	For every pound of	beef jer	ky it c	ost 1	1 d	lollars.				y = 31x
3)	Time in minut	ο ( <b>v</b> )		4 5	5 7	2 3	9	7		
,	Distance traveled in	. ,	( <b>v</b> )			$\frac{2}{2}$ 48		-		7. $\mathbf{y} = \mathbf{34x}$
	Every minu			eters are			111			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	ndy you	ı get _	16	pieces	s.				
5)	Concrete Blocks (x	z)	3 8	8 7	10	5				
-)	weight in kilograms	,		0 35	50	25				
	Every concrete blo				ogran					
				<u> </u>	- <u>-</u>					
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)										
• •	Phone Sold (x)	8 272	2 68	3 102	6	7 238				
	Money Earned (y) Every phone so				204   lars.	230				
	Livery phone se	in cull	<u> </u>	<u> </u>						
8)	<b>Enemies Destroyed</b>	( <b>x</b> )	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

Math

K

ter	Identifyi mine the constant of p	<u> </u>		-			,	$\mathbf{s} \mathbf{y} = \mathbf{k} \mathbf{x}$	Answers
						i	-		
)	<b>Chocolate Bars (x)</b>	8	3	7	6	10	_		Ex. $\mathbf{y} = 251\mathbf{x}$
	Calories (y)	2,008	753	1,757	1,506	2,510			1.
	Every choco	olate bar	has 2	<u>51</u> ca	lories.				
)	Discourse f Chishers (-)	7	<u> </u>	10 4	8				2
,	Pieces of Chicken (x)	14		10 4 20 8					
	<b>Price in dollars (y)</b> For each piece of chic			doll	16 ars				3
	Tor each piece of ente			uon	ais.				4.
)	Boxes of Candy (x)	10	8	3 5	4				
	Pieces of Candy (y)	170	136	51 85	68				5
	For every box of car	ndy you	get	pie	ces.				
					·				6.
)	Tickets Sold (x)	8	2 9	) 5	4				7.
	Money Earned (y)		26 11		52				
	Every ticket sold _	0	dollars a	are earned	1.				8
)	Time in minut	o (w)	4	6	7	8	3		
,	Time in minut				133		57		
	Distance traveled in Every minu					152 5	7		
)	Pounds of Beef Jerk	y (x)	6 2	3	9	8			
	Price in dollars (y	) 8	34 28	42	126 1	12			
	For every pound of	beef jerk	ty it cos	t	dollars				
)		``							
,	Time in minute (		9		8 4				
	Gallons of Water Us	-	225		$00 \mid 100$				
	Every minute _	¥	ganons	of water	are used.	•			
)	Concrete Blocks (x	) 7	2	3 8	3 4				
	weight in kilograms		2 12	18 4	8 24	-			
	Every concrete bloc	-	s	kilogr	ams.	1			
		_							
)	Votes for Emily (x)	3	6	5	8	7			
	Votes for Cody (y)	132	264	220	352	308			
		·1 /1	. Woro	,	votes for	Cody			
	For Every vote for En	my there	e were _		10103 101	Couy.			

C

ermine the constant of proportionality for each table. Express your answer as y =	Answer Key
	kx <u>Answers</u>
Chocolate Bars (x)         8         3         7         6         10	Ex. $y = 251x$
Calories (y)         2,008         753         1,757         1,506         2,510	$\mathbf{v} = 2\mathbf{x}$
Every chocolate bar has 251 calories.	1. $\mathbf{y} - \mathbf{z}\mathbf{x}$
	2. <b>y</b> = 17x
Pieces of Chicken (x)         7         6         10         4         8	
Price in dollars (y)         14         12         20         8         16	$3.  \mathbf{y} = \mathbf{13x}$
For each piece of chicken it costs $2$ dollars.	y = 19x
<b>Boxes of Candy (x)</b> 10 8 3 5 4	4
Pieces of Candy (y)         170         136         51         85         68	5. <b>y</b> = 14x
For every box of candy you get 17 pieces.	
	$6.  \mathbf{y} = \mathbf{25x}$
Tickets Sold (x)         8         2         9         5         4	$\mathbf{y} = 6\mathbf{x}$
Money Earned (y)         104         26         117         65         52	
Every ticket sold <u>13</u> dollars are earned.	8.   y = 44x
Time in minute (x)         4         6         7         8         3           Distance         111         122         152         57	
Distance traveled in meters (y)7611413315257Every minute19meters are travelled.	
Every minute <u>19</u> meters are travened.	
<b>Pounds of Beef Jerky (x)</b> 6 2 3 9 8	
<b>Price in dollars (y)</b> 84 28 42 126 112	
For every pound of beef jerky it cost <u>14</u> dollars.	
Time in minute (x)         9         6         8         4         2	
Gallons of Water Used (y)         225         150         200         100         50	
Gallons of Water Used (y)22515020010050Every minute25gallons of water are used.	
Gallons of Water Used (y)22515020010050Every minute25gallons of water are used.Concrete Blocks (x)72384	
Gallons of Water Used (y)22515020010050Every minute25gallons of water are used.Concrete Blocks (x)72384	
Gallons of Water Used (y)       225       150       200       100       50         Every minute       25       gallons of water are used.         Concrete Blocks (x)       7       2       3       8       4         weight in kilograms (y)       42       12       18       48       24	
Gallons of Water Used (y)       225       150       200       100       50         Every minute       25       gallons of water are used.         Concrete Blocks (x)       7       2       3       8       4         weight in kilograms (y)       42       12       18       48       24         Every concrete block weighs       6       kilograms.	
Gallons of Water Used (y)22515020010050Every minute5 gallons of water are used.Concrete Blocks (x)72384weight in kilograms (y)4212184824Every concrete block weighs6 kilograms.	
Generative (x)Gallons of Water Used (y)22515020010050Every minute5 gallons of water are used.Concrete Blocks (x)72384weight in kilograms (y)4212184824Every concrete block weighs6kilograms.Votes for Emily (x)36587	
Gallons of Water Used (y)22515020010050Every minute25gallons of water are used.Concrete Blocks (x)72384weight in kilograms (y)4212184824Every concrete block weighs6kilograms.Votes for Emily (x)36587Votes for Cody (y)132264220352308	88 75 63 50 38 25 13

	Identifyi	ng Co	onsta	nt o	f Pro	oporti	onalit	y (Ta	ubles)	Name:		
etermine	e the constant of p	ropor	tiona	lity f	for ea	ach ta	ble. Ex	press	your answ	er as y = kx		<u>Answers</u>
					10	0			7		Ex.	$\mathbf{v} = 4\mathbf{x}$
s) Gl	asses of Lemonad		7 28	_	10 40	9	3	4	-			
For	Lemons Used (y every glass of lem	- -				36 4	12 lemons	16 used			1.	
101		Ionade	there		·	<u> </u>	emons	usea.				
1)	Time in minute (	x)	7	,	4	2	10	3	]		2.	
Ga	llons of Water Us	ed (y)	18	2	104	52	260	78			3.	
	Every minute		gallo	ons o	of wat	ter are	used.	•	1			
						1					4.	
	Concrete Blocks (x	<i>.</i>	8	2	3	4	7				5.	
	ight in kilograms			10	15	20	35				5.	
Ŀ	Every concrete bloo	ck weig	gns _		K1	ogran	18.				6.	
3)	Cans of Paint (x)	)	4	5	3	9	7	5				
Bi	rd Houses Painted		20	_		45	35	25			7.	
	every can of paint						ird hou				8.	
											0.	
4) La	wns Mowed (x)	10	9		7	3	5					
Do	llars Earned (y)	310	279	) 2	217	93	155					
For	r every lawn mowe	ed		dolla	trs we	ere ear	med.					
5) Ch	ocolate Bars (x)	8		4		6	2	3	]			
	Calories (y)	2,032	, 1	,016	_	524	508	762	+			
	Every choco				,	calori		702	]			
	j e e e											
5)	Time in minut	e (x)		4		3 9	) 6	8	7			
Dis	stance traveled in	meters	s (y)	44	1 3	3 9	9 66	88				
	Every minute	e	n	neter	s are	travel	led.					
7) <b>En</b>								4				
	emies Destroyed (		3	5	8			4				
	Points Earned (y) Every enemy de			130	208	o IS poir		04				
		Subye	u call			_ pon	113.					
B) Por	unds of Beef Jerk	y (x)	4	6	5	7	10					
	Price in dollars (y	7)	40	60	50	) 70	) 100	)				
Fo	or every pound of b	beef jei	ky it	cost		d	ollars.					
Ma	ath	Commo	nCor	eShe	ets co	m		10		1-8 88	75 63	50 38 25 13

rmine the constant of					-		•	bles) your ansv			Answer
Glasses of Lemon	nade (x)	7		10	9	3	4	7		Ex.	$\mathbf{y} = 4\mathbf{x}$
Lemons Used	( <b>y</b> )	28	;	40	36	12	16				$\mathbf{v} = \mathbf{26x}$
For every glass of	lemonade	e there	e wei	re	4	lemons	used.	_		1.	<u> </u>
			.			10				2.	y = 5x
Time in minu		7		4	2	10	3				
Gallons of Water Every minute				$\frac{104}{100}$	52 Iter are	260 used	78			3.	y = 5x
		_ Suit	5115 (	51 W 4	uer ure	ubou.				4.	y = 31x
Concrete Block	s (x)	8	2	3	4	7					054
weight in kilogram	ns (y)	40	10	15	20	35				5.	$\mathbf{y} = 254\mathbf{y}$
Every concrete l	olock wei	ghs _	5	ki	logran	ıs.				6.	y = 11x
Cans of Paint	( <b>v</b> )	4		8	9	7	5				
Bird Houses Pair		20	_	0 10	9 45	35	25			7.	$\mathbf{y} = \mathbf{26x}$
For every can of pa						ird hou				8.	$\mathbf{v} = 10\mathbf{x}$
	_									0.	
Lawns Mowed (x	) 10	9		7	3	5					
Dollars Earned (y	<i>.</i>	279		217	93	155					
For every lawn mo	wed	31	dolla	ars w	ere ea	med.					
Chocolate Bars (x	:) 8		4		6	2	3	]			
Calories (y)	2,03	2 1	,016	5 1	,524	508	762				
Every cho	colate ba	r has	25	54	calori	es.		1			
								7			
Time in min		(-)	4		$\frac{3}{22}$		8	-			
<b>Distance traveled</b> Every min			44 neter		33 9 travel		88				
		<u> </u>		ur							
<b>Enemies Destroy</b>	ed (x)	3	5	8	3 (	5	4				
Points Earned	( <b>y</b> )	78	130	20	)8 1.	56 1	04				
Every enemy	destroye	ed ear	ns _	26	poi	nts.					
Pounds of Beef Je	rkv (v)	4	6		5 7	10					
Price in dollar	•	40	60		0 70	-					
For every pound						ollars.					
		-									
Math							10		1-8	88 75 63	50 38 25 13