╶╢┟╴	Identify	ing C	onsta	nt of l	Propo	rtiona	lity (1	[able:	s)	Name:		
Deter	mine the constant of j				-		•			as $y = 1$	kx 🛛	Answers
Ex)	Phone Sold (x)	2	5	3	6	4						
	Money Earned (y)	2 94	235	141	282	188						Ex. $\mathbf{y} = \mathbf{47x}$
	Every phone so				dollars.							
	Every phone sc			<u>+/</u>	1011d13.							1
1)	Pounds of Beef Jerk	xy (x)	2	4	5	8	9					2.
	Price in dollars (20	40	50	80 9	90					· · · · · · · · · · · · · · · · · · ·
	For every pound of b	beef jei	ky it c	cost		dollars] 5.					3
		-										
2)	Tickets Sold (x)	4	9	8	5	7						4.
	Money Earned (y)	48	108	96	60	84						5.
	Every ticket sold		dolla	irs are	earned	•						
-					1	1	1	-				6
3)	Cans of Paint (x	;)	2	5	6	9	7	_				
	Bird Houses Painte		8	20	24	36	28					7
	For every can of pain	t you c	could p	paint _		bird h	ouses.					8.
4)				1.		10			7			
4)	Time in minut			4 76	3 57	10 190	7 133	9 171	_			
	Distance traveled in											
	Every min	ute		meter	s are tr	aveneo	1.					
5)	Time in minute	(x)	8	3	6	4	1	0				
	Gallons of Water Us		_)0				
	Every minute				water a							
			_ 0"									
6)	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	bu get		piec	ces.	1					
			_		_							
7)	Pieces of Chicken (x	x) 3	10	7	9	4						
	Price in dollars (y)	6	20	14	18	8						
	For each piece of chi	cken it	costs		dolla	ars.						
0)		1	1				_					
8)	Lawns Mowed (x)	7	6	2	9	3						
	Dollars Earned (y)	294										
	For every lawn mow	ed	0	dollars	were e	earned.						
							-			1-8	88 75	63 50 38 25 13 0
	Math www.	Comm	onCore	Sheets	.com		I			10		

	Identify	ing C	onstai	nt of H	Propor	tionali	ty (Ta	bles)	I	Name:	An	iswer Key
Deter	mine the constant of I	propor	tional	ity for	each t	able. E	xpress	your	answer	as y = 1	kx	Answers
Ex)	Phone Sold (x)	2	5	3	6	4]					\mathbf{x} $\mathbf{y} = \mathbf{47x}$
	Money Earned (y)	94	235	141	282	188						Ex. $y = 47x$
	Every phone so	old ear	ns	<u>47</u> d	lollars.							1. $y = 10x$
1)	Pounds of Beef Jerk	xy (x)	2	4	5	8 9						2. y = 12x
	Price in dollars (y)	20	40		80 90)					$\mathbf{v} = \mathbf{A}\mathbf{v}$
	For every pound of b	beef jei	ky it c	ost	10	dollars.						3. $\mathbf{y} = 4\mathbf{x}$
2)	Tickets Sold (x)	4	9	8	5	7						4. <u>y = 19x</u>
	Money Earned (y)	48	108	96	60	84						5. $y = 30x$
	Every ticket sold	12	dolla	rs are o	earned.							J
2)												$6. \mathbf{y} = \mathbf{18x}$
3)	Cans of Paint (x		2 8	5	6	9	7 28					7. $y = 2x$
	Bird Houses Painte For every can of pain		_	20 paint	24 4	36 bird ho	-					/. <u> </u>
		e you c	ouru p									$8. \mathbf{y} = \mathbf{42x}$
4)	Time in minut	te (x)		4	3	10	7	9				
	Distance traveled in			76			133	171				
	Every min	ute	19	meters	s are tra	welled.						
5)	Time in minute	(x)	8	3	6	4	10					
	Gallons of Water Us	sed (y)	24	0 90	180	120	300					
	Every minute _	30	_galle	ons of	water a	re used	•					
6)		-										
0)	Boxes of Candy (x)	5 90	9	3 54	2 36	6 108						
	Pieces of Candy (y) For every box of ca		162 ou get	_	piec							
					P = = = =							
7)	Pieces of Chicken (x	3	10	7	9	4						
	Price in dollars (y)	6	20	14	18	8						
	For each piece of chief	cken it	costs	2	_dolla	rs.						
8)	Lawns Mowed (x)	7	6	2	9	3	7					
,	Dollars Earned (y)	, 294	252		378	126	-					
	For every lawn mow				were e							
	Math www.	Comm	onCore	Sheets.	.com		1			1-8	88 75	63 50 38 25 13 0

	Identifyin	ng Co	onstant	t of Pı	roporti	onalit	y (Tał	oles) Name:	
Deter	mine the constant of p	roport	tionalit	y for e	each ta	ble. Ex	press y	your answer as y = k x	Answers
Ex)	Glasses of Lemonad	e (x)	6	10	9	5	3]	<u>x</u> – 4x
	Lemons Used (y)	1	24	40	36	20	12		Ex. $y = 4x$
	For every glass of lem	onade	there v	vere	4 1	emons	used.	_	1
1)					10	_	1		
1)	Boxes of Candy (x)	9	6	4	10	7	-		2
	Pieces of Candy (y) For every box of ca	$\frac{171}{171}$	114	76	190 piece	133			3.
		indy y							
2)	Pieces of Chicken (x)	6	8	2	10 9	,			4
	Price in dollars (y)	12	16	4	20 1	8			5.
	For each piece of chick	ken it	costs _		dollars				5
3)		-						1	6
3)	Votes for Emily (x)	8		9	6	3	4	-	
	Votes for Mike (y)	13		53	102	51	68		7
	For Every vote for Em	ily the	ere wer	e		les for	Mike.		8
4)	Time in minute	e (x)		5	4	2	7	3	
	Distance traveled in		s (y)	145	116	58	203	87	
	Every minu	te	n	neters a	are trav	elled.			
-			i				_		
5)	Pounds of Beef Jerky		3	10		59	_		
	Price in dollars (y			100		<u>60 90</u>	0		
	For every pound of b	eer jer	ky it co	ost	d	ollars.			
6)	Tickets Sold (x)	2	10	9	5	6			
	Money Earned (y)		140	126		34			
	Every ticket sold	I	dollar	s are e	arned.]			
		i							
7)	Phone Sold (x)	10	6	3	5 9)			
	Money Earned (y)	160				14			
	Every phone sold	earns		dol	lars.				
8)	Lawns Mowed (x)	10	7	5	9	4	7		
	Dollars Earned (y)	360	252	180	324	144	-		
	For every lawn mowe				were ea				
	Math www.0	Commo	onCoreS	heets.c	om		2	1-8 8	8 75 63 50 38 25 13 0

	Identifyin	ıg Coı	nstant	t of Pı	roporti	onalit	y (Tał	oles) Name: A	Answer Key
Deter	mine the constant of pr	oporti	onalit	y for o	each ta	ble. Ex	press	your answer as y = kx	Answers
Ex)	Glasses of Lemonade	e (x)	6	10	9	5	3]	\mathbf{x} = 4x
	Lemons Used (y)		24	40	36	20	12		
	For every glass of lemo	onade t	here v	vere	<u>4</u> 1	emons	used.		1. $y = 19x$
1)	Boxes of Candy (x)	9	6	4	10	7]		2. y = 2 x
	Pieces of Candy (y)	171	114	76	190	133			17
	For every box of car	ndy yo	u get	19	piece	es.			3. $\mathbf{y} = \mathbf{17x}$
2)	Pieces of Chicken (x)	6	8	2	10 9	,			4. <u>y = 29x</u>
	Price in dollars (y)	12	16	4	20 1	8			5. y = 10x
	For each piece of chick	en it c	osts _	2	dollars				
3)		0		0	<i>c</i>			1	$6. \mathbf{y} = \mathbf{14x}$
5)	Votes for Emily (x) Votes for Mike (y)	8 136		9 53	6 102	3 51	4 68	-	y = 16x
	For Every vote for Emi								
									8. y = 36x
4)	Time in minute	(x)		5	4	2	7	3	
	Distance traveled in m			145	116		203	87	
	Every minut	te	9_n	neters	are trav	elled.			
5)	Pounds of Beef Jerky	(x)	3	10	4 :	5 9			
	Price in dollars (y)		30	100	40 5	60 90)		
	For every pound of be	eef jerk	cy it co	ost	<u>10</u> d	ollars.			
6)									
6)	Tickets Sold (x)		10	9		6			
	Money Earned (y) Every ticket sold			126	$\begin{array}{c c} 70 & 8 \\ \hline arned. \end{array}$	34			
	Lvery lieket sold	14	uonai	s are e	arneu.				
7)	Phone Sold (x)	10	6	3	5 9)			
	Money Earned (y)	160	96	48	80 14	14			
	Every phone sold	earns	16	dol	lars.				
8)	Lours Mound (r)	10	7	5	9	4	7		
0)	Lawns Mowed (x) Dollars Earned (y)	360	252	180	324	4	-		
	For every lawn mowe				were ea				
	Math www.C	ommor	CoreS	heets.c	com		2	1-8 88	75 63 50 38 25 13 0

	Identifying	Const	ant of l	Proport	tionali	ty (Tab	bles) Name:	
Deter	mine the constant of prop	ortion	ality for	each t	able. E	xpress y	your answer as y = kx	Answers
Ex)	Glasses of Lemonade (x	x) 9) 5	3	4	2		$\mathbf{v} = 5\mathbf{x}$
	Lemons Used (y)	4	5 25	15	20	10]	Ex. $\mathbf{y} = 5\mathbf{x}$
	For every glass of lemona	ade the	e were	5	lemons	s used.		1
1)	Concepto Plasha (r)	8	5	7 2	3]		
-)	Concrete Blocks (x) weight in kilograms (y)	8 72		7 2 53 18				2
	Every concrete block v							3
	J	<u> </u>		U				
2)	Enemies Destroyed (x)	6	4	10	2	3		4
	Points Earned (y)	264	176	440		.32		5.
	Every enemy destro	oyed ea	rns	po	ints.			
3)		7 5	5 8	<u> </u>	0			6
0)	Pieces of Chicken (x) Price in dollars (y)		5 8 5 8		0			7.
	For each piece of chicker			dolla				
	I			_				8
4)	Phone Sold (x) 6	6 4	5	9	10			
	Money Earned (y) 10	8 72	90	162	180			
	Every phone sold e	arns	d	ollars.				
5)	Pounds of Beef Jerky (x	;) 9	8	5	2	10		
	Price in dollars (y)	12				140		
	For every pound of bee	ef jerky	it cost		dollars	<u> </u>		
							1	
6)	Votes for Amy (x)	8	10	3	9	2		
	Votes for Henry (y)	184	230	69	207	46		
	For Every vote for Amy	inere wo	ere		tes for I	henry.		
7)	Tickets Sold (x) 8	5	7	2 9)			
	Money Earned (y) 96	60	84	24 10)8			
	Every ticket sold	dol	lars are	earned.				
0)								
8)		7 2		4	5			
	Pieces of Candy (y)1For every box of candy	40 40		80 piec	100			
	Tor every box or cally	, you go		pice	00.			
	Math www.Com	nmonCo	reSheets	.com		3	1-8 88	75 63 50 38 25 13 0

	Identifying	Constant o	f Proporti	onality (Tal	bles) Name: A	nswer Key
Deter	mine the constant of prop	ortionality f	or each ta	ble. Express	your answer as y = kx	Answers
Ex)	Glasses of Lemonade (x) 9	5 3	4 2]	$\mathbf{v} = 5\mathbf{x}$
	Lemons Used (y)		25 15	20 10]	Ex. $\mathbf{y} = 5\mathbf{x}$
	For every glass of lemona	de there wer	e <u>5</u> 1	emons used.		1. $\mathbf{y} = \mathbf{9x}$
1)	Concrete Blocks (x)	8 5	7 2	3		y = 44x
	weight in kilograms (y)	72 45	63 18	27		
	Every concrete block w	eighs 9	_ kilogram	18.		3. $\mathbf{y} = 1\mathbf{x}$
2)	Enemies Destroyed (x)	6 4	10	2 3		4. y = 18x
	Points Earned (y)	264 176		2 3 38 132		$\mathbf{v} = \mathbf{14x}$
	Every enemy destro	yed earns	44 poir	nts.		5. $\mathbf{y} = \mathbf{14x}$
2)		1 1				6. <u>y = 23x</u>
3)	Pieces of Chicken (x)	7 5 8 7 5 8				y = 12x
	Price in dollars (y) For each piece of chicken		6 10 dollars			/. <u> </u>
						$\mathbf{y} = \mathbf{20x}$
4)	Phone Sold (x) 6	4 5	9	10		
	Money Earned (y) 108			80		
	Every phone sold ea	rns <u>18</u>	dollars.			
5)	Pounds of Beef Jerky (x)) 9	8 5	2 10		
	Price in dollars (y)	126 1	12 70	28 140		
	For every pound of bee	f jerky it cos	t <u>14</u>	dollars.		
6)	Votes for Amy (x)	8 10	3	9 2]	
	Votes for Henry (y)	184 230		207 46	-	
	For Every vote for Amy the	here were	23 vote	es for Henry.	1	
7)						
")	Tickets Sold (x)8Money Earned (y)96	5 7 60 84	2 9 24 108	2		
	Every ticket sold 12			<u>,</u>		
8)	Boxes of Candy (x)		8 4	5		
	÷		50 80	100		
	For every box of candy	you get	20 piece	8.		
	Math www.Com	monCoreShee	ets.com	3	1-8 88	II III IIII IIIII IIIIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

	Identifyi	ng Cor	nstant of	Proport	ionality (Tabl	es) Name:	
Deter	mine the constant of p	roporti	onality fo	or each ta	ble. Express yo	our answer as y = k	x <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	k weigl	hs <u>9</u>	_ kilogran	ns.		1
1)	Time in minute (x)	7	8 6	4 2		2.
	Gallons of Water Us	ed (y)	315 3	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	late bar	r has	calo	ries.		
2)				<u> </u>			6
3)	Pounds of Beef Jerky		6 7		2 5		7.
	Price in dollars (y For every pound of b	,	84 98		28 70 lollars.		7
	For every pound of t			C			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 3	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.		
				+0			
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.		
0)							
8)	Cans of Paint (x)		7 8		2 10		
	Bird Houses Painted		$\frac{28}{100}$		8 40		
	For every can of paint	you co	uiu paint	0	ird houses.		
	Math www.0	Common	nCoreShee	ts.com	4	1-8	88 75 63 50 38 25 13 0

	Identifyin	g Coi	nstant	of Pro	oporti	onalit	y (Tab	les)	Name:	Answe	er Key
Deter	mine the constant of pr	oporti	ionality	for ea	ach tal	ble. Ex	press y	our answe	er as y = kx		Answers
Ex)	Concrete Blocks (x)	(6 5	7	9	3					$\mathbf{v} - \mathbf{Q}\mathbf{v}$
	weight in kilograms (7) 5	4 45	63	81	27				Ex.	y – 7A
	Every concrete block	weig	hs <u>9</u>	kil	logram	18.				1.	y = 45x
1)	Time in minute (x)	7	8	6	4	2			2.	$\mathbf{y} = \mathbf{255x}$
	Gallons of Water Use	d (y)	315	360	270	180	90				14
	Every minute	45	gallons	of wa	ter are	used.				3.	y = 14x
2)							10	Т		4.	y = 2x
2)	Chocolate Bars (x)	6	7		3	4	10	-			
	Calories (y) Every chocol	1,530	,		calor	,020	2,550			5.	$\mathbf{y} = \mathbf{16x}$
	Every chocor			233		105.					$\mathbf{v} = \mathbf{39x}$
3)	Pounds of Beef Jerky	(x)	6 7	7 9	9 2	2 5				6.	J = 37A
	Price in dollars (y)		84 9	8 12	26 2	8 70)			7.	y = 36x
	For every pound of be	ef jerl	ky it cos	t <u>1</u> 4	4 d	ollars.]				4
										8.	$\mathbf{y} = 4\mathbf{x}$
4)	Pieces of Chicken (x)	3	6	9 5	5 10	0					
	Price in dollars (y)	6	12 1	8 1	0 20	C					
	For each piece of chick	en it c	osts	20	dollars	•					
5)	Boxes of Candy (x)	10	3	4	5 2	2					
	Pieces of Candy (y)	160				2					
	For every box of cand	y you	get	16 j	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	tes for]	Edward	•			
7)	Lawns Mowed (x)	4	10	9	6	5	7				
,		4	360	9 324	216	180	-				
	For every lawn mowed				vere ea						
			<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	ou co	ould pair	nt 4	bi	rd hou	ses.				
									1-8 88	75 62 4	50 38 25 13 0
	Math www.Co	ommor	nCoreSh	eets.co	m		4		1-0 88		0 0 0 0 0 0

	Identify	ing Co	onstan	t of Pı	coport	ionalit	y (Tał	oles) Name:	
Deter								your answer as y = kx	Answers
Ex)	Time in minute	(x)	2	9	6	3	4]	$\mathbf{y} = \mathbf{39x}$
	Gallons of Water Us	sed (y)	78	351	234	117	156		Ex. $\mathbf{y} = \mathbf{39x}$
	Every minute	39	gallo	ns of w	ater ar	e used.			1
1)						0			
1)	Boxes of Candy (x)	5 100	8 160	4 80	3 60	9 180			2
	Pieces of Candy (y) For every box of ca								3.
			- 8						
2)	Votes for Lana (x)	3	9)	6	8	2		4
	Votes for Roger (y)	60	18	30	120	160	40		5.
	For Every vote for La	ana ther	e were		vot	es for R	loger.		
3)		4	7	0 1	0 3	,			6
0)	Tickets Sold (x) Money Earned (y)	4	-		$\begin{array}{c c} 0 & 3 \\ \hline 0 & 3 \\ \hline \end{array}$				7.
	Every ticket sold								
									8
4)	Time in minut	te (x)		3	7	4	9	10	
	Distance traveled in				210		270	300	
	Every min	nute	1	meters	are tra	velled.			
5)	Pieces of Chicken (x) 7	3	4	5 9	•			
	Price in dollars (y)		6	8	10 1	8			
	For each piece of chi	cken it o	costs _		dollar	s.			
0									
6)	Concrete Blocks (x	,	5 1		_	4			
	weight in kilograms Every concrete blo		40 8 the		64 ilograr	32			
	Every concrete bio	CK WCIE		K	nogran				
7)	Phone Sold (x)	3	8	5	10	6			
	Money Earned (y)	87	232	145	290	174			
	Every phone so	old earn	S	do	ollars.				
8)	E					0			
0)	Enemies Destroyed Points Earned (y)						6 94		
	Every enemy d				poi		74		
					1				
	Math www.	Commo	nCoreS	heets.c	om		5	1-8 88	75 63 50 38 25 13 0

	Identify	ng Co	nstan	t of Pı	roport	ionalit	y (Tał	oles) Name: A	nswer Key
Deter	mine the constant of p	<u>Answers</u>							
Ex)	Time in minute ((x)	2	9	6	3	4		\mathbf{x} = 39x
	Gallons of Water Us		78	351	234	117	156		
	Every minute _	39	gallo	ns of w	ater ar	e used.			1. $y = 20x$
1)	Boxes of Candy (x)	5	8	4	3	9			y = 20x
	Pieces of Candy (y)	100	160	80	60	180			2
	For every box of ca	ndy yo	u get _	20	_ piece	es.			3. $y = 10x$
•		_						1	y = 30x
2)	Votes for Lana (x)	3	9		6	8	2		4. <u><u> </u></u>
	Votes for Roger (y)	60	18		120	160	40		5. y = 2 x
	For Every vote for La	na there	e were	20		es for R	loger.		$\mathbf{y} = 8\mathbf{x}$
3)	Tickets Sold (x)	4	7	8 1	0 3	3			$6. \mathbf{y} = 8\mathbf{x}$
	Money Earned (y)	40 7	70 8	30 10	00 3	0			7. y = 29 x
	Every ticket sold	10	dollar	s are ea	arned.]			v = 49x
				i	i				$8. \mathbf{y} = \mathbf{49x}$
4)	Time in minut		()	3	7	4	9	10	
	Distance traveled in Every mir					120 velled.	270	300	
		<u>.</u>	<u> </u>	incici s	are tra	veneu.			
5)	Pieces of Chicken (x) 7	3	4	5 9)			
	Price in dollars (y)	14	6	8	10 1	8			
	For each piece of chic	eken it c	osts _	2	dollar	s.			
6)	Concrete Blocks (x		5 1	0 6	8	4			
-)	weight in kilograms	<i>,</i>	$\frac{5}{0}$			32			
	Every concrete blo	-			ilogran				
					-				
7)	Phone Sold (x)	3	8	5	10	6			
	Money Earned (y)		232	145	290	174			
	Every phone so	old earns	s <u>29</u>	do do	ollars.				
8)	Enemies Destroyed	(x) 1	0	2	5	8	6		
	Points Earned (y)						94		
	Every enemy de					nts.]		
	Math www.	Commoi	nCoreS	heets.c	om		5	1-8 88 7	75 63 50 38 25 13 0

	Identifyi	ng Co	onstan	it of P	ropor	tiona	lity (Tab	oles)	Name:			
Deter	mine the constant of p	Answers										
Ex)	Time in minute ((x)	5	10) 7		2 9]		$\mathbf{v} = 20\mathbf{v}$		
	Gallons of Water Us	ed (y)	195	5 390	0 27	'3 7	8 351			Ex. $y = 39x$		
	Every minute	39	gallo	ons of v	water a	re use	d.	-		1		
1)								7				
1)	Chocolate Bars (x)	4		5	9	3	8	_		2		
	Calories (y)	1,32			2,970		2,640			3.		
	Every choco	blate b	ar has			ories.				J		
2)	Pounds of Beef Jerk	v (x)	8	7	9	4	3			4		
	Price in dollars (y	• • •	104	91	117	52	39					
	For every pound of					dolla				5		
		<mark>-</mark>					. <u> </u>			6		
3)	Enemies Destroyed	(x)	10	9	7	8	3					
	Points Earned (y)		160	144	112	128	48			7		
	Every enemy de	Every enemy destroyed earns points.										
4)				4	10		7			8		
•)	Votes for Sarah (x)	9 42		4 88	10 470	6 282	7 329					
	Votes for Mike (y) For Every vote for Sa											
		i uii tiiv		·	``	000010	, ivince.					
5)	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		dolla	rs.						
0			1	1	_							
6)	Phone Sold (x)	8	6	5	4	9						
	Money Earned (y)	248	186	155			9					
	Every phone se	old ear	ms	C	lollars.							
7)	Lawns Mowed (x)	6	9	10	8	4	;					
	Dollars Earned (y)	270	405	450	_							
	For every lawn mow				were e							
	-						_					
8)	Boxes of Candy (x)	2	9	4	3	7						
	Pieces of Candy (y)	34	153	68	51	119						
	For every box of ca	ndy yo	ou get _		_ piec	es.						
									1-8 88 7	75 63 50 38 25 13 0		
	Math www.	Comm	onCore	Sheets.	com		6		10 00 /			

	Identifyir	ng Co	onstan	t of Pr	oporti	ional	ity (Ta	ables) N	Name: AI	nswer Key
Deter	mine the constant of pr	opor	tionali	ty for e	each ta	ble. I	Expres	s your answer	as $y = kx$	Answers
Ex)	Time in minute (x	:)	5	10	7	2	9			$\mathbf{x}_{\mathrm{Ex.}} \mathbf{y} = \mathbf{39x}$
	Gallons of Water Use	d (y)	195	390	273	78	3 351	l		Ex. y = 39x
	Every minute	39	_ gallo	ns of w	ater are	e usec	1.			1. y = $330x$
1)	Chocolate Bars (x)	4		5	9	3	8			y = 13x
,	Calories (y)	1,32			,970	990	2,64	0		$2. \mathbf{y} = 13\mathbf{A}$
	Every chocol						2,01	•		3. y = 16x
										$\mathbf{v} = \mathbf{47x}$
2)	Pounds of Beef Jerky	(x)	8	7	9	4	3			4. $\mathbf{y} = 4/\mathbf{x}$
	Price in dollars (y)		104		117	52	39			5. $\mathbf{y} = 2\mathbf{x}$
	For every pound of b	eet je	erky it c	cost	<u>13</u> (dollar	s.			y = 31x
3)	Enemies Destroyed (x	()	10	9	7	8	3			$6. \mathbf{y} = \mathbf{31X}$
	Points Earned (y)		160	144 1	112	128	48			7. y = 45x
	Every enemy des	stroye	d earns	s <u>16</u>	poir	nts.				v = 17x
		1						-		$8. \mathbf{y} = 1/\mathbf{x}$
4)	Votes for Sarah (x)	9			10	6	7	_		
	Votes for Mike (y) For Every vote for Sar	42. ah the				282	329 r Mike			
				c <u> </u>		05 10	t WIIKe.			
5)	Pieces of Chicken (x)	3	9	2	7 6	5				
	Price in dollars (y)	6	18	4 1	4 12	2				
	For each piece of chick	ten it	costs_	2	dollars	5.				
6)	Phone Sold (x)	8	6	5	4	9				
,		248	186	155	124	279)			
	Every phone so				ollars.					
7)	Lawns Mowed (x)	6	9	10	8	5	_			
	Dollars Earned (y)	270	405	450	360	22				
	For every lawn mowe	d	<u>45</u> d	lollars v	vere ea	rned.				
8)	Boxes of Candy (x)	2	9	4	3	7				
	Pieces of Candy (y)	34	153	68		19				
	For every box of can	dy yo	ou get _	17	pieces	<u>.</u> 8.				
									1-8 88 7:	5 63 50 38 25 13 0
	Math www.C	ommo	onCoreS	Sheets.co	om		6		1-0 00 7.	5 05 50 50 25 15 0

Ex) L D F 1) E 2) M 3) B	ne the constant of provide the constant of provide the constant of provide the constant of provide the constant of the constant	4 3 168 3 d 42 x) 9 306 stroyed 9 350 2 old earns 9 153	8 7 336 29 336 29 dollar 5 5 170 earns 4 5 00 25 6 102	y 5 04 21 s were 8 272 p 6	2 0 84 earned. 7 238 oints. 10 0 500 3.	xpress 2 68	your ansv	ver as y	<i>y</i> = kx	Ex Ex 1 2 3 4 5 6	y = 42x			
1) E 2) M 3) B Pi	Collars Earned (y) For every lawn mowe Cnemies Destroyed (x) Points Earned (y) Every enemy de Phone Sold (x) Money Earned (y) Every phone so Boxes of Candy (x) Fieces of Candy (y)	168 3 d 42 x) 9 306 stroyed 7 350 2 old earns 9 153	336 29	04 21 s were 8 272 p 6 30 dollars 0 5	0 84 earned. 7 238 oints. 10 0 500 s. 3					1.	y = 42x			
F 1) E 2) M 3) B Pi	For every lawn mowe Cnemies Destroyed (x Points Earned (y) Every enemy de Phone Sold (x) Money Earned (y) Every phone so Boxes of Candy (x) Fieces of Candy (y)	d 42 x) 9 306 stroyed e 7 350 2 old earns 9 153	dollar 5 170 arms 4 5 00 25 6 1 102 1	s were 8 272 p 6 0 30 dollars 0 5	earned. 7 238 oints. 10 0 500 3.					1.	y = 42x			
F 1) E 2) M 3) B Pi	For every lawn mowe Cnemies Destroyed (x Points Earned (y) Every enemy de Phone Sold (x) Money Earned (y) Every phone so Boxes of Candy (x) Fieces of Candy (y)	x) 9 306 stroyed e 7 350 2 old earns 9 153	5 170 arns 4 5 00 25 6 1 102 1	8 272 p 6 0 30 dollars	7 238 oints. 10 0 500 s. 3					4 5				
2) M 3) B Pi	Points Earned (y) Every enemy de Phone Sold (x) Ioney Earned (y) Every phone so Boxes of Candy (x) Fieces of Candy (y)	306 stroyed e 7 350 2 old earns 9 153	6 170 carns	272 p 6 0 30 dollars 0 5	238 oints. 10 0 500 3.					4 5				
2) M 3) B Pi	Points Earned (y) Every enemy de Phone Sold (x) Ioney Earned (y) Every phone so Boxes of Candy (x) Fieces of Candy (y)	306 stroyed e 7 350 2 old earns 9 153	6 170 carns	272 p 6 0 30 dollars 0 5	238 oints. 10 0 500 3.					4 5				
3) B Pi	Every enemy de Phone Sold (x) Ioney Earned (y) Every phone so Boxes of Candy (x) Fieces of Candy (y)	stroyed e 7 350 2 old earns 9 153	4 5 00 25 6 1 102 1	p 6 0 30 dollars 0 5	0 10 0 500 3	68				4 5				
3) B Pi	Phone Sold (x) Ioney Earned (y) Every phone so Boxes of Candy (x) Fieces of Candy (y)	7 350 2 old earns 9 153	4 5 00 25 6 1 102 1	6 0 30 dollars	10 0 500 3.					4 5				
3) B Pi	Ioney Earned (y) Every phone so Boxes of Candy (x) Fieces of Candy (y)	350 2 old earns 9 153	00 25 6 1 102 1	0 30 dollars	0 500 s.					5.				
3) B Pi	Ioney Earned (y) Every phone so Boxes of Candy (x) Fieces of Candy (y)	350 2 old earns 9 153	00 25 6 1 102 1	0 30 dollars	0 500 s.					5.				
3) B Pi	Every phone so Boxes of Candy (x) Fieces of Candy (y)	9 153	6 1 102 1	dollars	S. 3									
P	Boxes of Candy (x) Fieces of Candy (y)	9 153	6 1 102 1	0 5	3					6.				
P	ieces of Candy (y)	153	102 1							6				
P	ieces of Candy (y)	153	102 1											
				70 8	5 51									
4)	For every box of ca	ndy you	oet	-	5 51					7				
4)		For every box of candy you get pieces.												
4)			_			1				8				
	Time in minute		10 y) 270	_	5	6 162	4							
D	Distance traveled in 1													
	Every minute meters are travelled.													
5) V	Votos for Dochol (r)	7	5	0	2	4	Г							
	Votes for Rachel (x)	_	5	9	3	4	-							
	Votes for Sam (y)	343	245	441	147	196								
Г	or Every vote for Rad		e were _		votes 10	i Saili.								
6) р	ounds of Beef Jerky	v (x) 3	3 8	4	7 5	7								
	Price in dollars (y		6 96	48	84 60									
E F	For every pound of be	/		40	dollars.									
_		jj												
7)	Cans of Paint (x))	5 3	2	4	9								
B	Bird Houses Painted		15 9	6	12	27								
	or every can of paint		ld paint		bird hou	ises.								
8)	Time in minute (x	x)	7	8	5 4	2	7							
G	Gallons of Water Use				45 190		-							
	Every minute				are used.									

C

	Identifying Constant of Proportionality (Tables) Name: Answer Key												
Deter	mine the constant of p	ropor	tional	ity for (each ta	able. l	Express	s your a	nswer a	as $\mathbf{y} = \mathbf{k}$	x	Answers	
Ex)	Lawns Mowed (x)	4	8	7	5	2						$\mathbf{v} = 42\mathbf{x}$	
	Dollars Earned (y)	168	336	294	210	84						Ex. $\mathbf{y} = 42\mathbf{x}$	
	For every lawn mowe	ed4	<u>2</u> d	lollars v	vere ea	rned.						1. $y = 34x$	
1)	Enemies Destroyed (x)	9	5	8	7	2					2. y = 50x	
	Points Earned (y)		506		272	238	68					2. <u> </u>	
	Every enemy de		3. y = 17x										
			v = 27x										
2)	Phone Sold (x)	7	4	5	6	10						4. $\mathbf{y} = \mathbf{z} \mathbf{x}$	
	Money Earned (y)	350	200		300 ollars.	500)					5. y = 49x	
	Every phone so		10										
3)	Boxes of Candy (x)	9	6	10	5	3	1					$6. \mathbf{y} = \mathbf{12x}$	
,	Pieces of Candy (y)	153	102	_	-	51	-					7. $\mathbf{y} = 3\mathbf{x}$	
	For every box of ca		40										
			8. $\mathbf{y} = 49\mathbf{x}$										
4)	Time in minut	e (x)		10	7	5	6	4	_				
	Distance traveled in meters (y)270189135162108Every minute27meters are travelled.												
	Every min												
5)	Votes for Rachel (x)	7		5	9	3	4						
	Votes for Sam (y)	34	3 2	245	441	147	196						
	For Every vote for Ra	chel th	ere w	ere	19 v	votes f	or Sam.						
0													
6)	Pounds of Beef Jerk		3	8			5						
	Price in dollars (y		36			4 6 Iollars	0						
	For every pound of b	eer jer	ky n c		<u>12</u> (ionars	•						
7)	Cans of Paint (x)	5	3	2	4	9						
	Bird Houses Paintee	l (y)	15	9	6	12	27						
	For every can of paint	you c	ould p	aint	<u>3</u> l	oird ho	ouses.						
Q)			-		<u> </u>			_					
8)	Time in minute (7	8	5		4 2	_					
	Gallons of Water Us Every minute		343	3 392 ons of w			96 98						
	Livery minute _	+7		7115 UI W	ater al		4.						
	Math		~	~ 1			7			1-8	88 75	63 50 38 25 13 0	

Math

Identifying Constant of Proportionality (Tables) Name:											
Deter	mine the constant of p	roport	tionality	y for ea	ach ta	ble. Ex	xpress y	our answer a	$\mathbf{s} \mathbf{y} = \mathbf{k} \mathbf{x}$	Answers	
Ex)	Glasses of Lemonad	e (x)	5	8	2	7	4			\mathbf{x} $\mathbf{y} = 4\mathbf{x}$	
	Lemons Used (y)	20	32	8	28	16			Ex. $\mathbf{y} = \mathbf{4x}$	
	For every glass of lem	ionade	there w	ere	4	lemons	used.			1	
1)								7			
1)	Chocolate Bars (x)	5	3	6 1,56		9 2,340	8 2,080	_		2	
	Calories (y) Every choco		3.								
	Every choco										
2)	Pounds of Beef Jerky	v (x)	5	6 1	0	3 8				4	
	Price in dollars (y										
	For every pound of t		5								
			6								
3)	Time in minut	e (x)		4 5	5 2	2 3	9				
	Distance traveled in					2 48	144			7	
	Every minut		8.								
4)	Boxes of Candy (x)	5	6	9	2	10					
-7	Pieces of Candy (y)	80				160					
	For every box of car										
	2	55	0 _		1						
5)	Concrete Blocks (x	:)	3 8	7	10	5					
	weight in kilograms	(y)	15 40	35	50	25					
	Every concrete bloc	k weig	ghs	kil	ogran	ns.					
6)				10							
0)	Lawns Mowed (x)	8	5	10	4	2					
	Dollars Earned (y) For every lawn mowe	248	155	310 llars we	124	62					
		u	uo	liais we		incu.					
7)	Phone Sold (x)	8	2	3	6	7					
	Money Earned (y)	272	68 1	102 2	204	238					
	Every phone so	ld earn	is	dol	lars.	1					
8)	Enemies Destroyed (ə 2			6				
	Points Earned (y)		16 20				74				
	Every enemy de	stroye	a earns		_ poi	nts.					
	Math www.0	Commo	onCoreSh	neets.co	m		8		1-8 88 75	63 50 38 25 13 0	

Identifying Constant of Proportionality (Tables) Name: Answer Key											
Deter	mine the constant of p	<u> </u>			-			,		Answers	
Ex)	Glasses of Lemonad	e (x)	5	8	2	7	4			\mathbf{x}_{Ex} $\mathbf{y} = 4\mathbf{x}$	
	Lemons Used (y))	20	32	8	28	16			Ex. $\mathbf{y} = 4\mathbf{x}$	
	For every glass of lem	onade	there	were	4	lemons	used.			1. $y = 260x$	
1)	Chocolate Bars (x)	5	3	6		9	8]		y = 11x	
	Calories (y)	1,30									
	Every choco	3. <u>y = 16x</u>									
2)	Dounds of Doof Jone	4. y = 16x									
_)	Pounds of Beef Jerky Price in dollars (y										
	For every pound of b	5. $\mathbf{y} = 5\mathbf{x}$									
-		6. y = 31x									
3)	Time in minute	v = 34x									
	Distance traveled in Every minut	7. $\mathbf{y} = \mathbf{34x}$									
	Lvery minut	8. <u>y = 29x</u>									
4)	Boxes of Candy (x)	5	6	9	2	10					
	Pieces of Candy (y)	80	96			160					
	For every box of car	ndy yo	u get _	16	pieces	s.					
5)	Concrete Blocks (x)	3	8 7	10	5					
	weight in kilograms	(y)	15 4	40 35	50	25					
	Every concrete bloc	k wei	ghs	5 kil	ogran	ns.					
6)	Lawns Mowed (x)	8	5	10	4	2					
	Dollars Earned (y)	248	155	310	124	62					
	For every lawn mowe	d3	1 d	ollars we	ere ea	rned.					
7)											
1)	Phone Sold (x)	8 272	2 68	3 102	6 204	7 238					
	Money Earned (y) Every phone so				lars.	238					
	7 1	-									
8)	Enemies Destroyed (x)	4	9 2	_	0	6				
	Points Earned (y)			261 5			74				
	Every enemy de	stroye	a earns	s <u>29</u>	_ poi	nts.					
	Math www.0	Commo	onCores	Sheets.co	m		8		1-8 88 75	5 63 50 38 25 13 0	

	Identify	ng Co	nstant (of Propo	ortionali	ty (Tabl	es) Name:					
Deter	mine the constant of p	-		-				Answers				
Ex)	Chocolate Bars (x)	8	3	7	6	10		$\mathbf{x}_{\mathrm{Ex}} = \mathbf{y} = \mathbf{251x}$				
	Calories (y)	2,008	753	1,757	1,506	2,510		Ex. $\mathbf{y} = \mathbf{251x}$				
	Every choce	olate ba	r has	2 <u>51</u> ca	alories.			1				
1)		-										
1)	Pieces of Chicken (x	_		10 4	8			2				
	Price in dollars (y) For each piece of chic	14 ken it c		20 8	16 lars			3.				
	For each piece of child											
2)	Boxes of Candy (x)	10	8	3 5	4			4				
	Pieces of Candy (y)	170	136	51 85	68			5.				
	For every box of ca	3										
					· · · · · · · · · · · · · · · · · · ·			6				
3)	Tickets Sold (x)	8	2	9 5	4							
	Money Earned (y)	104		1765are earne	52			7				
	Every ticket sold _	8.										
4)	Time in minut	e (v)		4 6	7	8	3					
				6 114	133							
	Distance traveled in meters (y) 76 114 133 152 57 Every minute											
5)	Pounds of Beef Jerk	y (x)	6 2	3	9	8						
	Price in dollars (7)	84 28	8 42	126 1	12						
	For every pound of	beef jer	ky it cos	st	dollars							
6))		6	0 4							
0)	Time in minute		9 225	6 150 2	8 4 200 10							
	Gallons of Water Us Every minute				are used.							
			8									
7)	Concrete Blocks (x	() (7 2	3	8 4							
	weight in kilograms	(y) 4	2 12	18 4	48 24	-						
				kilog	rams.	-						
	Every concrete blo	ck weig	ns									
0)	-	_					7					
8)	Votes for Emily (x		3	6 5		7						
8)	Votes for Emily (x) Votes for Edward (7) 1.	3 32 2	6 5 64 22	0 352	2 308						
8)	Votes for Emily (x	7) 1.	3 32 2	6 5 64 22	0 352	2 308						
8)	Votes for Emily (x) Votes for Edward (y) For Every vote for Er	7) 13 nily the	3 32 2	6 5 64 22	0 352	2 308	1-8 88 7	75 63 50 38 25 13 0				

	Identify	ng Cor	nstant o	of Propo	ortionali	ty (Tabl	les) Name:	Answ	er Key			
Deter	mine the constant of p	oroporti	onality	for each	table. E	xpress y	our answer as y =	- kx	Answers			
Ex)	Chocolate Bars (x)	8	3	7	6	10			$\mathbf{v} = 251\mathbf{x}$			
	Calories (y)	2,008	753	1,757	1,506	2,510		Ex.	<u>y – 231</u> X			
	Every choco	olate bar	has	2 <u>51</u> ca	llories.			1.	<u>y</u> = 2x			
1)	Pieces of Chicken (x) 7	6	10 4	8			2.	y = 17 x			
	Price in dollars (y)	14	12	20 8	16				10			
	For each piece of chic	cken it c	osts	2 dol	lars.			3.	<u>y = 13x</u>			
2)	Boxes of Candy (x)	10	8	3 5	4			4.	$\mathbf{y} = \mathbf{19x}$			
	Pieces of Candy (y)	170	136	51 85	68			5.	$\mathbf{v} = \mathbf{14x}$			
	For every box of ca	ndy you	get	<u>17</u> pie	ces.							
3)								6.	$\mathbf{y} = 25\mathbf{x}$			
3)	Tickets Sold (x)	8		9 5	4			7.	v = 6 x			
	Money Earned (y) Every ticket sold			17 65 are earne	52			7.				
		8.	y = 44x									
4)	Time in minut	e (x)	4	4 6	7	8 3	3					
	Distance traveled in meters (y)7611413315257Every minute19meters are travelled.											
	Every min	ute <u>I</u>	9me	ters are t	ravelled.							
5)	Pounds of Beef Jerk	y (x)	6 2	3	9	8						
	Price in dollars (7)	84 28	3 42	126 1	12						
	For every pound of	beef jer	ky it cos	st <u>14</u>	_ dollars	5.						
6)												
0)	Time in minute		9	6	8 4							
	Gallons of Water Us Every minute		225 gallons	150 2 of water	$\frac{200}{\text{are used}}$							
			8			-						
7)	Concrete Blocks (x	x) 7	2	3	8 4							
	weight in kilograms	(y) 42	2 12	18 4	8 24							
	Every concrete blo	ck weigł	ns <u>6</u>	kilog	rams.							
8)												
0)	Votes for Emily (x)			5 5		7	_					
	Votes for Edward (y For Every vote for Er			$\begin{array}{c c} 54 & 22 \\ \hline 44 \end{array}$								
	Tor Every vote for Er	ing the			, 0105 101	1.0 ward.						
	Math www.	Common	CoreShe	ets.com		9	1-8	8 88 75 63	50 38 25 13 0			

	Identify	ing Co	onsta	unt o	f Pro	oport	ionalit	ty (Ta	bles) Name:	
Deter	mine the constant of p	oropor	tiona	lity f	or ea	ach ta	ble. Ex	xpress	your answer as y = kx	Answers
Ex)	Glasses of Lemonad	le (x)	7		10	9	3	4]	$\mathbf{v} = 4\mathbf{x}$
	Lemons Used (y	7)	28	3	40	36	12	16		Ex. $\mathbf{y} = \mathbf{4x}$
	For every glass of len	nonade	ther	e wer	re	4	lemons	s used.	_	1
1)	Time in minute ((x)		7	4	2	10	3		2.
	Gallons of Water Us	· /	18	32	104	52	260	78		2.
	Every minute	3								
2)	Concrete Blocks (x	()	8	2	3	4	7			4
	weight in kilograms	-	40	10	15	20	35			
	Every concrete blo	5								
		6								
3)	Cans of Paint (x)	4	8	3	9	7	5		
	Bird Houses Paintee		20		0	45	35	25		7
	For every can of pain	8								
4)	Lawns Mowed (x)	10	9		7	3	5			
	Dollars Earned (y)	310	27	9 2	217	93	155			
	For every lawn mowe									
5)		1							l	
3)	Chocolate Bars (x)	8		4	-	6	2	3		
	Calories (y) Every choco	2,032		,016	,	,524	508	762		
	Every enoco		i nas			calor	105.			
6)	Time in minut	te (x)		4		3	9 6	8]	
	Distance traveled in	meter	s (y)	44	4 3	3 9	9 66	5 88		
	Every minut	e	1	neter	s are	trave	lled.			
7)	Enemies Destroyed	(x)	3	5	8		6	4		
	Points Earned (y)	7	'8	130	20	8 1	56 1	04		
	Every enemy de	estroye	d ear	ns	-	_ poi	nts.			
8)	Pounds of Beef Jerk	y (x)	4	6	5	5 7	10)		
	Price in dollars (y)	40	60	50	0 70	0 10	0		
	For every pound of	beef jei	ky it	cost		ċ	lollars.	1		
ſ	Math	Commo	Car	Cha	ata an			10	1-8 88 7	75 63 50 38 25 13 0

	Identifyi	ng Co	onstan	t of Pı	roport	ionalit	ty (Ta	bles) Name: A	nswe	er Key
Deter	mine the constant of p	ropor	tionali	ty for e	each ta	ble. Ex	xpress	your answer as y = kx		Answers
Ex)	Glasses of Lemonad	e (x)	7	10	9	3	4]		$\mathbf{v} = 4\mathbf{x}$
	Lemons Used (y)	28	40	36	12	16		Ex.	y – 4x
	For every glass of lem	ionade	there	were	4	lemons	used.		1.	y = 26x
1)	Time in minute (x)	7	4	2	10	3		2.	y = 5 x
	Gallons of Water Us	ed (y)	182	104	52	260	78			
	Every minute	3.	$\mathbf{y} = 5\mathbf{x}$							
2)						T]			4.	y = 31x
2)	Concrete Blocks (x			$ \begin{array}{c cc} 2 & 3 \\ \hline 0 & 15 \end{array} $		7				
	weight in kilograms Every concrete bloc	5.	$\mathbf{y} = \mathbf{254x}$							
	Every concrete bloc	6.	$\mathbf{v} = 11\mathbf{x}$							
3)	Cans of Paint (x))	4	8	9	7	5		0.	y – 11 A
	Bird Houses Painted		20	40	45	35	25		7.	y = 26 x
	For every can of paint		$\mathbf{v} = 10\mathbf{x}$							
							1		8.	$\mathbf{y} = \mathbf{10x}$
4)	Lawns Mowed (x)	10	9	7	3	5				
	Dollars Earned (y)	310	279	217	93	155				
	For every lawn mowe	ed <u>3</u>	<u> </u>	ollars w	vere ea	rned.				
5)	Chocolate Bars (x)	8	4	1	6	2	3			
	Calories (y)	2,032	2 1,0	016 1	,524	508	762			
	Every chocol	ate ba	r has _	254	_ calor	ies.		I		
	-							7		
6)	Time in minut			4		9 6	8	_		
	Distance traveled in					9 66	88			
	Every minute	e <u> </u>	me	eters are	e travel	lied.				
7)	Enemies Destroyed (X)	3	5 8	8	6	4			
	Points Earned (y)						04			
	Every enemy de						I			
0			I	I						
8)	Pounds of Beef Jerky		4		5 7		_			
	Price in dollars (y		40		50 70		0			
	For every pound of t	beer jei	гку it c	ost	<u>10</u> d	lollars.				
	Math www.	Commo	onCores	Sheets.c	om		10	1-8 88 7	75 63 :	50 38 25 13 0