Deter	Determine the constant of proportionality for each table. Express your answer as y = kx									Answers
Ex)	Phone Sold (x)	3	2	7	10	9]			
	Money Earned (y)	81	54	189	270	243				Ex. $\mathbf{y} = 27\mathbf{x}$
	Every pho									
		1								
1)	Time in minute	(x)	7	6	9	2	4			2
	Gallons of Water Us	sed (y)	154	132	198	44	88			<i>2.</i>
	Every minute gallons of water are used.									3.
-)		_								
2)	Boxes of Candy (x)	6	2	4	8	10				4
	Pieces of Candy (y)	90	30	60	120) 150)			
	For every bo	5								
2)			_				10			6
3)	Cans of Paint (x))	7	3	4	9	10			0
	Ear avery can o	$\frac{1(y)}{f point y}$	21	9 uld point	12 bird	27	30			7.
	For every call o	i paint y		nu pann		nouses	•			
4)	Pounds of Reef Jerk	$\mathbf{v}(\mathbf{v})$	1	10	7	6	0			8
-)	Price in dollars ((\mathbf{x})	- 52	130	, 91	78	117			
	For every po									
	J J J I J									
5)	Pieces of Chicken (2	$(x) \qquad 2$		7 10	0	3	6			
	Price in dollars (y)	2	7	7 10	0	3	6			
	For each pie									
6)	Chocolate Bars (x)	8	6	2	3	4	7			
	Calories (y)	2,856	2,142	714	1,07	1 1,428	3			
	Every cho	colate ba	ar has	calo	ries.					
				i		i				
7)	Enemies Destroyed	(X)	8	7	4	9	3			
	Points Earned (y)	1	52	133	76	171	57			
	Every ene	emy dest	royed	earns	point	s.				
0)										
ð)	Concrete Blocks (x)	8	7	4	5	9			
	Every core	(y)	80	$\frac{70}{\text{ghs}}$	40	50 ms	90			
		1010	CK WEI	диз <u>к</u>	nogral					
	Math	C	C C1			7			1-8 88 75	63 50 38 25 13 0

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	Identifying	Cons	tant o	f Prop	ortion	nality (Tables)	Name:	Answ	ver Key
Determine the constant of proportionality for each table. Express your answer as $y = kx$ <u>Ans</u>									Answers	
Ex)	Phone Sold (x)	3	2	7	10	9				
	Money Earned (y)	81	54	189	270) 243	3			$\mathbf{Ex.} \mathbf{y} = \mathbf{27x}$
Every phone sold earns 27 dollars.										$\mathbf{v} = 22\mathbf{v}$
		1. $\mathbf{y} - \mathbf{z}\mathbf{z}\mathbf{x}$								
1)	Time in minute ((x)	7	6	9	2	4			y = 15x
	Gallons of Water Used (y)			132	2 19	8 44	4 88			
	Every minute 22 gallons of water are used.									
2)	Boxes of Candy (x)	6	2	4		8 1	0			4. y = 13x
	Pieces of Candy (y)	90	30	6) 12	20 1:	50			1
	For every bo	x of ca	ndy yo	ou get $\frac{1}{2}$	5 piece	es.				5. $\mathbf{y} = 1\mathbf{x}$
3)	Cans of Paint (x)		7	3	4	9	10			6. y = 357x
	Bird Houses Painted	(y)	21	9	12	27	30			v = 10v
	For every can of	f paint y	you co	uld pai	nt <u>3</u> bii	rd house	es.			$\begin{bmatrix} 7. & \mathbf{y} - 1\mathbf{y}\mathbf{X} \end{bmatrix}$
	-							_		$\mathbf{y} = \mathbf{10x}$
4)	Pounds of Beef Jerk	y (x)	4	10	7	6	9			
	Price in dollars (y	/)	52	130	91	78	117			
	For every por	und of	beef je	erky it c	$\cos t \frac{13}{13}$	dollars.				
5)	Pieces of Chicken (x	() 2		7	10	3	6			
	Price in dollars (y)271036									
	For each piece of chicken it costs $\underline{1}$ dollars.									
6)	Chocolate Bars (x)	8	6	2	3	4				
	Calories (y)	2,856	2,142	2 714	1,0	71 1,4	28			
	Every choc	colate b	ar has	<u>357</u> ca	lories.					
7)	Enemies Destroyed	(X)	8	7	4	9	3			
	Points Earned (y)	1	52	133	76	171	57			
	Every ene	my des	troyed	earns	<mark>19</mark> poir	nts.				
						1				
8)	Concrete Blocks (x	K)	8	7	4	5	9			
	weight in kilograms	(y)	80	70	40	50	90			
	Every conc	rete blo	ck we	1ghs <u>10</u>	kilogr	ams.				
	Math	Commo	nCoreS	heets.co	om	7	rn2h		1-8 88 75	5 63 50 38 25 13 0