rmine the constant of proportionality for each table.	Express your answer as $y = kx$ <u>Answer</u>
Pieces of Chicken (x) 9 7 5 8 10	Ex. $\mathbf{y} = 1\mathbf{x}$
Price in dollars (y) 9 7 5 8 10	
For each piece of chicken it costs 1 dollars.	1
Time in minute (x) 10 4 5	9 8
Gallons of Water Used (y) 300 120 150 2	3.
Every minute gallons of water are us	
Time in minute (x) 5 6 10	4.
Distance traveled in meters (y) 125 150 250	5
Every minute meters are travelle	
	6
Concrete Blocks (x) 10 8 5 3	7 7.
8 8 4/	70
Every concrete block weighs kilograms.	8
Boxes of Candy (x) 10 9 6 3 7	
Pieces of Candy (y) 190 171 114 57 13	3
For every box of candy you get pieces.	
Glasses of Lemonade (x) 8 3 6	4 2
Lemons Used (y) 24 9 18 1	12 6
For every glass of lemonade there were lemo	ons used.
Enemies Destroyed (x) 3 7 8 9	6
Points Earned (y) 93 217 248 279	186
Every enemy destroyed earns points.	
Pounds of Beef Jerky (x) 2 5 3 9	7
	77
For every pound of beef jerky it cost dollar	s.
Phone Sold (x) 3 4 10 7 5	
Money Earned (y) 138 184 460 322 23	— I
Every phone sold earns dollars.	→

C

	Identifyin	g Co	nstan	t of	Pro	portic	onality	r (Tab	les)		Name:	A	nsw	er Key
eter	mine the constant of pr	oport	ionali	ity fo	r ead	ch tab	le. Exp	oress y	our ai	nswer	as y =	kx		Answers
		-			i		_							$\mathbf{v} = 1\mathbf{v}$
x)	Pieces of Chicken (x)	9	7	5	8	10	_						Ex.	$\mathbf{y} = 1\mathbf{x}$
	Price in dollars (y)	9	7	5	8	10							1.	y = 30 x
	For each piece of chick	en it c	costs _	1	d	ollars.								
1)	Time in minute (x)	10	4	4	5	9	8	7				2.	$\mathbf{y} = \mathbf{25x}$
	Gallons of Water Use	d (y)	300) 12	20	150	270	240					3.	y = 10x
	Every minute	30	galle	ons of	f wa	ter are	used.	1						
•					_								4.	y = 19x
2)	Time in minute			5		6	10	4	3				5.	$\mathbf{y} = 3\mathbf{x}$
	Distance traveled in n			125	_			100	75				J .	J – CA
	Every minu	e	25	mete	rs ar	e trave	eneu.						6.	y = 31 x
3)	Concrete Blocks (x)		10	8	5	3	7						7.	v = 11 x
	weight in kilograms (y	7) 1	00	80	50	30	70						/.	.
	Every concrete block	x weig	ghs	10	_kil	logram	IS.						8.	y = 46 x
4)	Boxes of Candy (x)	10	9	6	5	3	7							
	Pieces of Candy (y)	190	171	11	4	57	133							
	For every box of car	ndy yo	bu get	19	9	pieces	3.							
5)	Glasses of Lemonade	(x)	8		2	6	4	2						
	Lemons Used (y)	(A)	24			18	12	6						
	For every glass of lemo	nade					emons u							
			-											
6)	Enemies Destroyed (x) 3	3	7	8	9	6							
	Points Earned (y)	93			248			6						
	Every enemy des	troyed	l earn	s <u>3</u>	81	_ point	.s.							
7)	Pounds of Beef Jerky	(x)	2	5	3	9	7							
	Price in dollars (y)		22	55	33	99	77							
	For every pound of be	ef jerk	y it co	ost	11	dol	lars.							
8)	Phone Sold (v)	3	4	10		7	5							
-)	Phone Sold (x) Money Earned (y)	3 138	4	460	_	322	5 230							
	Every phone sol				doll		230							