÷	Constant of Variatio	n with Tables	Name:
#1	The table below shows the remany teachers are required	elationship between students and ho I to teach. How many students does it e an additional teacher?	w :
	Tea	cher Table	
	Number of Teachers Number of Students		
	14	14	
	15	15	
		students	Show your work
#2	many teachers are required	elationship between students and ho I to teach. How many students does it e an additional teacher?	W
	Tea	cher Table	
	Number of Teacher	s Number of Students	
	10	10	
	13	13	
		students	Show your work
The table below shows how the number of cats you can own depends on how many rooms you have in your house. How many cats can you get for each additional room?			/
	Cat	s per Room	
	Rooms	Cats	
	7	7	
	12	12	

3

Math Games

1

Show your work

← Constant of Variation with Tables

Name:

#4

The table below shows how many dollars Julia makes an hour, based on how many hours she works. How much does her wage increase every hour?

Wage Increases

Hours Worked	Dollars per Hour
9	9
11	11



Show your work

#5

Using the table below find how many more additional passengers can be taken on the train by adding a single train car.

Train Passengers

Number of Train Cars	Number of Passengers
2	4
6	12



Show your work

#6

The table below shows how the number of cats you can own depends on how many rooms you have in your house. How many cats can you get for each additional room?

Cats per Room

Rooms	Cats
5	5
13	13



Show your work



÷	Constant of Variation with Tables				Name:		
#7	This table shows how the total number of doodles Matthew draws depends on the number of hours he spends in class. How many doodles does Matthew draw during an hour of class?						
	Doodle Count						
	Time	in Class (hours)	Number of I	Doodles			
		11	11				
		13	13				
	O 1	pages	0	4 pages			
	O 2	pages	0	3 pages	Show your work		
#8							
	The table bel	low shows how ma cats are around. F	ny mice can be	e caught, depending e can each cat catch?			
	,	Cats an					
		Cats	Mice Caught				
		3	3				
		9	9				
		1		\bigcap 4			
		1		J 4			
	0	0		O 2	Show your work		
#9	depends on		irs she spends	oodles Olivia draws in class. How many our of class?			
Doodle Count							
	Time	in Class (hours)	Number of I	Doodles			
		2	2				
		6	6				
	O 1	pages	0	0 pages			
	O 3	pages	0	4 pages	Show your work		
_							

÷	Constant of Variation with Tables	Name:		
#10	The table below shows how many dollars Zachary makes an hour based on how many hours he works. How much does his wage increase every hour?	,		
	Wage Increases			
	Hours Worked Dollars per Hour			
	3 3			
	14 14			
	\$			
	· []	Show your work		
#11	The table below shows how the number of cats you can own			
	depends on how many rooms you have in your house. How many cats can you get for each additional room?			
	Cats per Room			
	Rooms Cats			
	2 8			
	3 12			
	cats			
		Show your work		
#12	Using the table below find out how many more children Emma car			
	Using the table below find out how many more children Emma can have at her birthday party for each additional chore she does.	1		
	Birthday Guests per Chore			
	Chores Done Guests			
	12 12			
	14 14			
	O 3 O 2			
	O 1 O 4	Show your work		
	<u> </u>	SHOW YOUR WORK		

	nation with rabites	7 in swer neg
Question	Answer	
#1	1	
#2	1	
#3	choice 3	
#4	1	
#5	2	
#6	1	
#7	choice 1	
#8	choice 1	
#9	choice 1	
#10	1	
#11	4	
#12	choice 3	
	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11	Question Answer #1 1 #2 1 #3 choice 3 #4 1 #5 2 #6 1 #7 choice 1 #8 choice 1 #9 choice 1 #10 1 #11 4