Init: Proportional R tudent Handout 2		Name Date		Pd
PROI	PORTIONAL	RELATIONSHIPS	: TABLES	
offee shop display e proportional, but s	s their prices as	all min	CUPS OF COFFEE	TOTAL
What is the consta	nt of proportionalit	y?	1	
			2	\$5.50
menu? Use this me	he value of k to find thod to complete th	d the missing prices on the	3	
		cups of coffee increase by	4	\$11.00
CHANGE 1-2, a representation	on of a proportional	al relationship, the rate of cha of proportionality, k.		
1-2, a representation to represent the	on of a proportional	relationship is given. Use the find the rate of change.	information to (
1-2, a representation	on of a proportional	of proportionality, k.	information to o	x y
1-2, a representation	on of a proportional relationship. Then,	relationship is given. Use the find the rate of change. 2. As the x-values i by 2, the y-values i	information to o	x y
1-2, a representation to represent the	on of a proportional relationship. Then,	relationship is given. Use the find the rate of change. 2. As the x-values i by 2, the y-values i	information to o	x y
1-2, a representation of the second s	on of a proportional relationship. Then,	relationship is given. Use the find the rate of change. 2. As the x-values i by 2, the y-values i	information to o	x y 1 2
1-2, a representation of the second s	on of a proportional relationship. Then,	relationship is given. Use the find the rate of change. 2. As the x-values i by 2, the y-values i by 60.	ncrease ncrease	x y 1 2 3
1-2, a representation of the second s	on of a proportional relationship. Then,	relationship is given. Use the find the rate of change. 2. As the x-values in by 2, the y-values in by 60. Rate of change: rionships to answer each questing the create a new logo and rece \$45.00 per hour. Complete	ncrease ncrease stion. marketing mater	x y 1 2 3 4

c. Write an equation to show the relationship between x, the number of hours and y, the total charge of the graphic designer.

4. Ronny earns \$27.50 for each driveway he shovels. Create a table to show the sum of the amount Ronny will earn shoveling 4 driveways.

5. Gasoline is priced at \$3.39 per gallon. Write an equation to represent the total cost, y, of purchasing x number of gallons.

6. Mrs. Dunn asked her students to represent y = 5x in a table. Which student(s) correctly completed the task? Explain your reasoning.

		SASI	18		
×	0	1	2	3	4
у	5	10	15	20	25

		RON	NALD		
×	0	1	2	3	4
У	0	5	10	15	20

- 7. Michelle reads a book for the school Read-A-Thon. The table shows the proportional relationship between x, the number of minutes and y, the total number of pages read.
- a. Determine the rate of change and explain its meaning in the context of this situation.

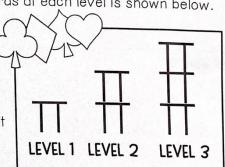
OF TOTAL PAGES READ

30 15
60 30
90 45
120 60

- b. Write an equation to represent the total number of pages as it relates to the number of minutes read.
- 8. Crystal creates a tower of playing cards. The number of cards at each level is shown below.
- a. Complete the table below to represent the rate of change.

LEVEL	1	2	3	4	5
# OF CARDS					Y

b. Write an equation to represent the number of cards, y, as it relates to the level of the tower, x.



9. Sue traveled by car at a constant rate. After 4 hours, she had traveled 272 miles. Circle any of the following that represent the relationship between the distance traveled and the hours of driving.

A

HOURS	5	6	7
MILES	340	408	476

В.

d = 272t, where d is the distance in miles and t is the time in hours. C.

Sue is traveling 68 miles per hour.