

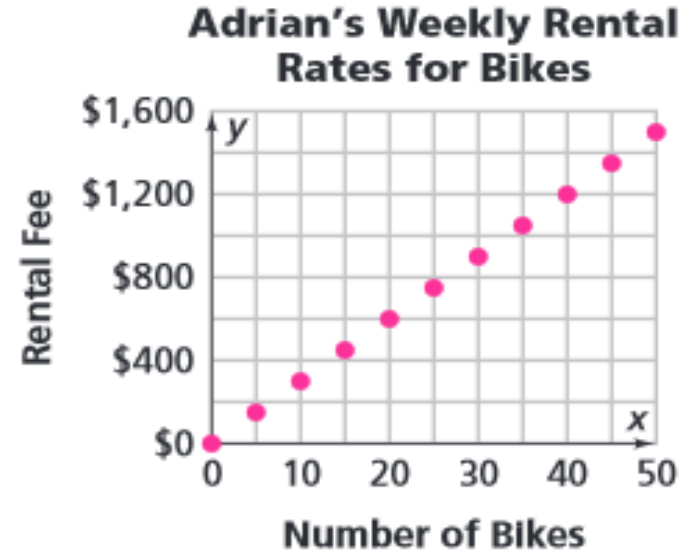
Name _____ Hour _____

Variables and Patterns Lesson 2.1 pages 30-31

Rocky's Weekly Rental Rates for Bikes

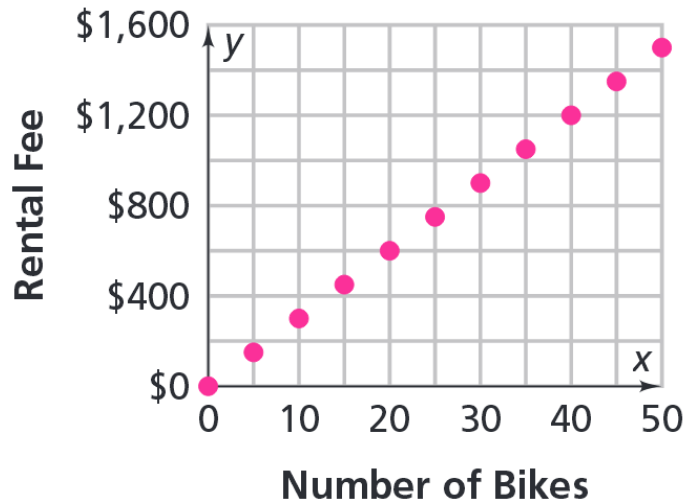
Number of Bikes	5	10	15	20	25	30	35	40	45	50
Rental Fee	\$400	\$535	\$655	\$770	\$875	\$975	\$1,070	\$1,140	\$1,180	\$1,200

Adrian's Bike Shop sends a graph of their weekly rental fees. Because the rental fee depends on the number of bikes, they put the number of bikes on the x -axis.



A) Which bike shop should Ocean Bike Tours use? _____ EXPLAIN:

Adrian's Weekly Rental Rates for Bikes



B. Does it make sense to connect the points on the graph?
Why or why not?

Per Bike @ Rocky's	Rocky's Fee	# of Bikes	Adrian's Bike	Per Bike @ Adrian's
	\$ 400	5	\$	
	\$ 535	10	\$	
	\$ 655	15	\$	
	\$ 770	20	\$	
	\$ 875	25	\$	
	\$ 975	30	\$	
	\$ 1070	35	\$	
	\$ 1140	40	\$	
	\$ 1180	45	\$	
	\$ 1200	50	\$	

C. How much do you think each company charges to rent 32 bikes? (Show your thinking)

32 Bikes at Rocky's :

32 Bikes at Adrian's:

D. 1) What patterns do you find in the table and in the graph?

D 2) Based on the patterns found, how can you predict values that are not included in the table or graph?

E1) Describe a way to find the costs for renting any number of bikes from Adrian's Bike Shop.

E2) Describe a way to find the costs for renting any number of bikes from Rocky's Cycle Center.