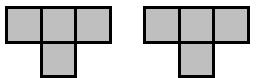
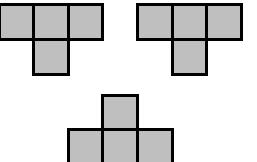


**6-7 QUIZ B**

1. Square tiles are placed in a pattern below.

Step 1	Step 2	Step 3	Step 4
			

a. Draw step 4.

b. Complete the table.

Step # (x)	1	2	3	4	5
# of squares (y)					

c. Write a rule for the pattern.

d. How many square tiles are in step 50?

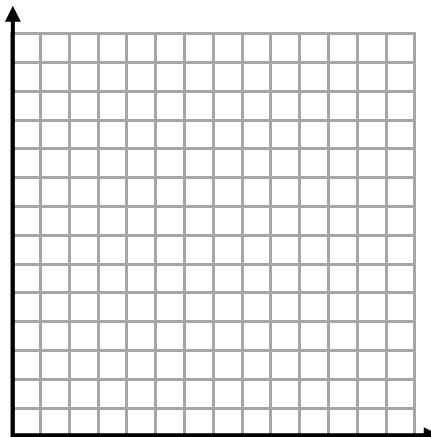
2. Zain is riding his electric scooter. He rides it at a constant rate for 3 hours and travels 54 kilometers.

a. Complete the table.

Time in hours (x)	3	1	2	0.5		
Distance in kilometers (y)					27	45

b. Write an equation that relates distance and time.

c. Draw a graph to represent the data. Be sure to label the graph and scale axes.



**6-7 QUIZ B**  
Continued

3. Two music companies stream music at different prices.

Music Mania  
5 songs for \$3

Streaming Songs Inc.  
8 songs for \$4

a. Complete the table for each.

Music Mania	
Quantity (x)	Cost in \$ (y)
5	
10	
1	
2	
3	

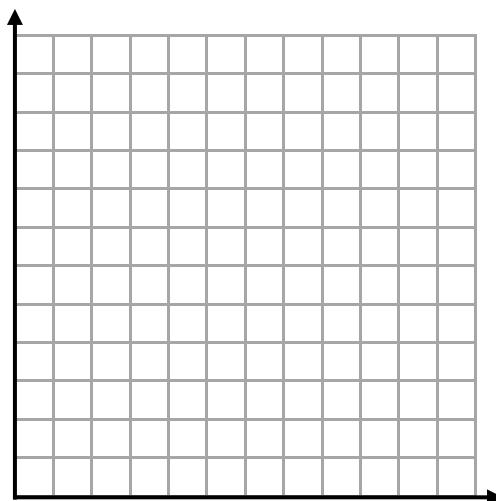
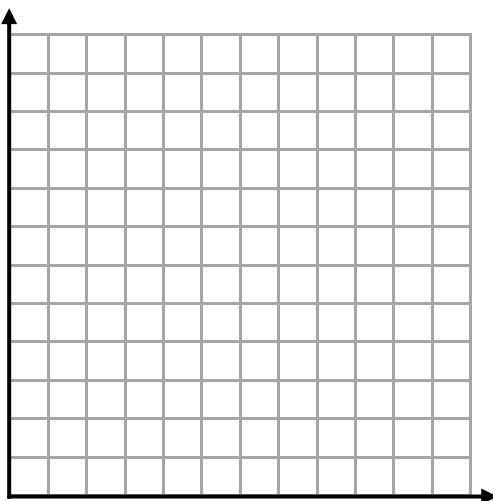
Streaming Songs Inc.	
Quantity (x)	Cost in \$ (y)
8	
4	
1	
2	
3	

b. Write an input-output rule for each.

Music Mania: \_\_\_\_\_

Streaming Songs Inc: \_\_\_\_\_

c. Complete a graph for each, including a title and labels.



d. Which company has a lower unit price? Explain.