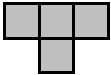
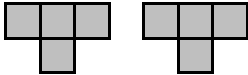
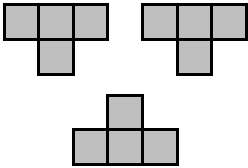


6-7 QUIZ B

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?

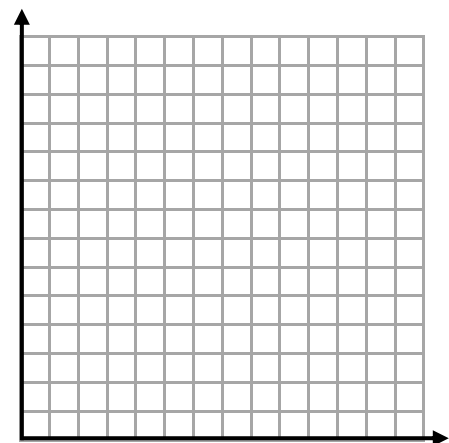
2. Zain is riding his electric scooter. He rides it at a constant rate for 3 hours and travels 54 kilometers.

- 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.

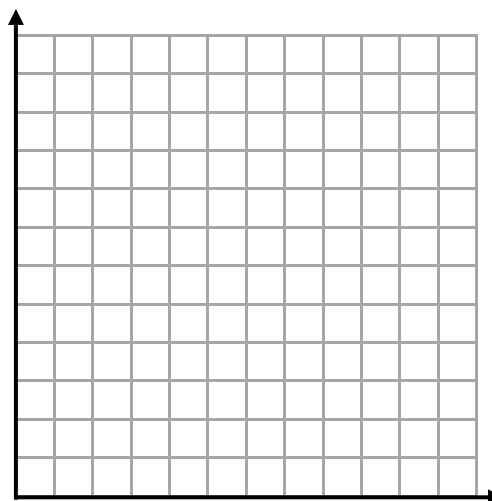
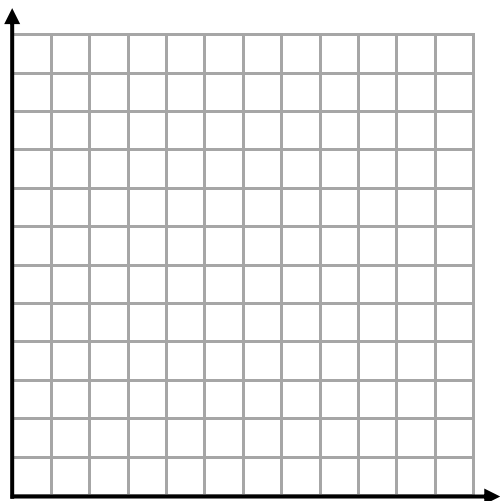
| Music Mania | |
|--------------|----------------|
| Quantity (x) | Cost in \$ (y) |
| 5 | |
| 10 | |
| 1 | |
| 2 | |
| 3 | |

| 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.