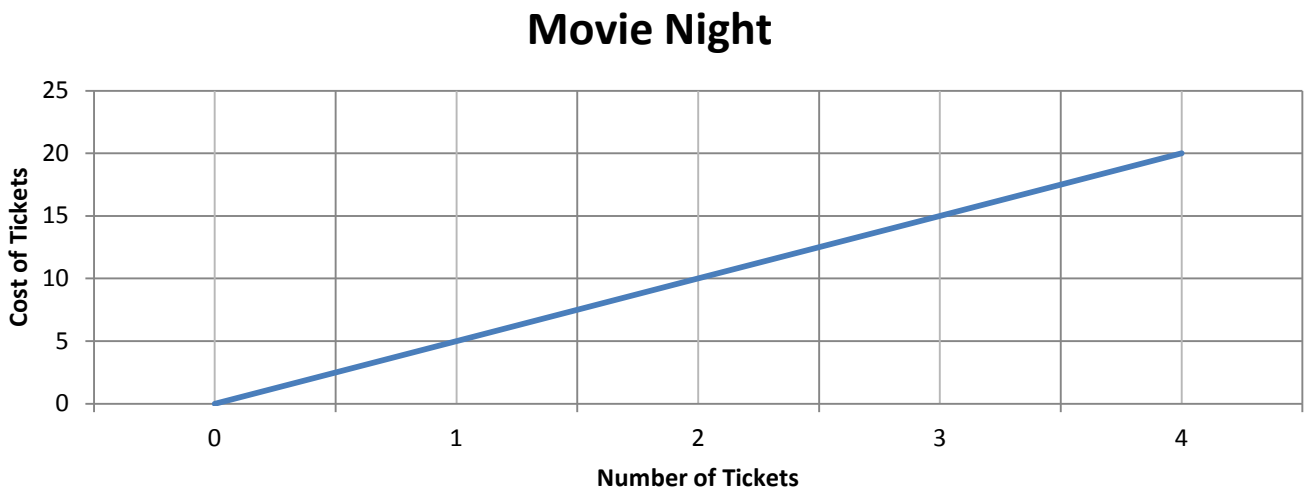
Name_____ **Date**_____

5th Grade: 5.G.2: Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation.

Tickets to the movies cost $5 each. The following chart and graph display this information. Answer questions 1 – 3 using the given information in the graph and chart.



1. What is the cost for 4 tickets?
   a) 5
   b) 10
   c) 15
   d) 20

2. Which is **not** an ordered pair shown in the chart?
   a) (3,15)
   b) (0,0)
   c) (5,25)
   d) (4,20)

# of Tickets X	Total Price Y
0	0
1	5
2	10
3	15
4	20

3. What would be the total cost for 8 tickets?
    a) $8
    b) $35
    c) $40
    d) $50

Sean makes $9 every week for allowance. Use the chart to assist you in solving questions 4 and 5.

# of Weeks X	Total $ Earned Y
0	0
1	9
2	18
3	27
4	36

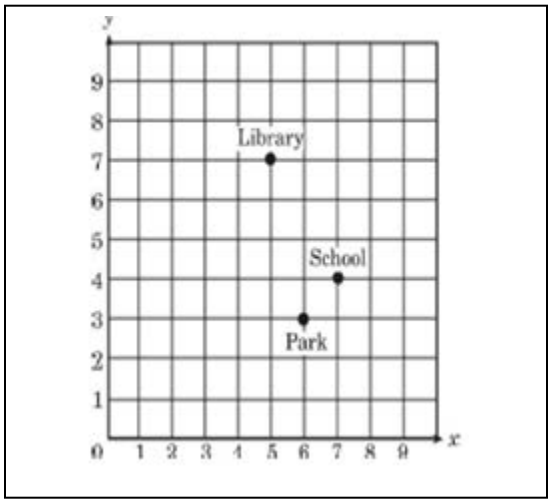
4. Which expression is true for this table?

    a) $y = 9x$
    b) $x + 9 = y$
    c) $x – 9 = y$
    d) $x = 9y$

5. Sean really wants a new video game. The game costs $46.How many weeks would it take Sean to save up enough money to be able to purchase the game?

    a) 46
    b) 6
    c) 5
    d) 4

6. Using the coordinate grid on the right, which ordered pair represents the location of the school? Explain a possible path from the school to the library.



7. Using the graph paper from the tools folder graph the following problem. Sara has saved $ 20. She earns $ 8 for each hour she works. If Sara saves all of her money, how much will she have after working 3 hours? 5 hours? 10 hours? Create a graph that shows the relationship between the hours Sara works and the amount of money she has saved.

8. Use the graph on the right determine how much money Jack makes after working exactly 9 hours.