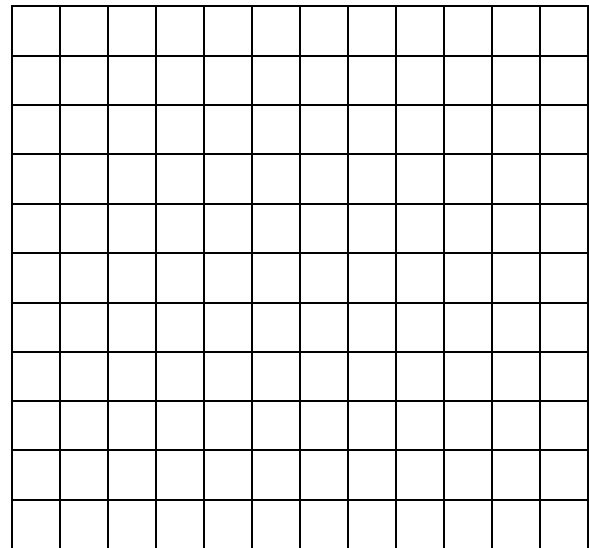


1. Joe can do 10 multiplication problems in 5 seconds.

- a) At this rate, how long should it take Joe to do 2 multiplication problems?
- b) Create a table of values showing how long it should take him to do from 1 to 5 multiplication problems. Then graph the points on the table on the coordinate plane.

<b>x (number of seconds)</b>	<b>y (number of problems)</b>
0 seconds	
1 second	
2 seconds	
3 seconds	
4 seconds	
5 seconds	

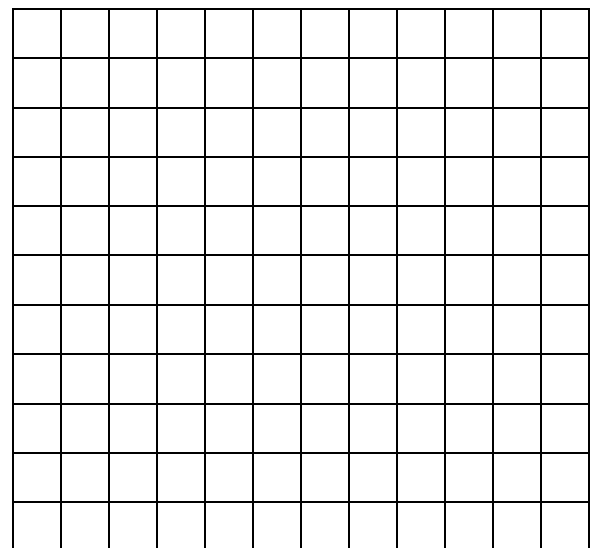


c) What is the unit rate? \_\_\_\_\_

2. Bob's Burger Barn has a special deal of 4 hamburgers for \$6.

- a) At this rate, how much should it cost to buy 3 hamburgers?
- b) Fill in the table to show the price for 0 to 5 hamburgers. Then graph the information.

<b>x (number of hamburgers)</b>	<b>y (price)</b>
0	
1	
2	
3	
4	
5	

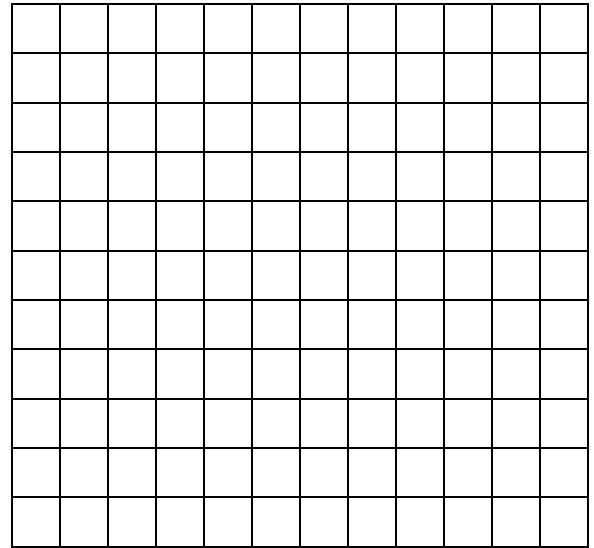


c) What is the unit rate? \_\_\_\_\_

3. Chocolate cinnamon bears cost \$6.00 for 2 pounds.

a) Create a table of values showing how much it would cost to buy up to 3 pounds of this candy. Then graph the points from the table on the coordinate plane.

x (pounds)	y (cost)
0	
1	
2	
3	



b) What is the unit rate? \_\_\_\_\_

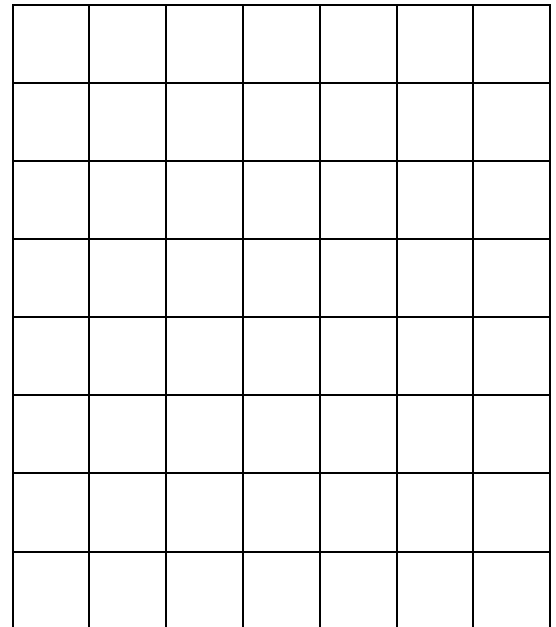
4. You want to buy some candy for your birthday party. You go to two different grocery stores and see the following special offers:



a) Complete the table for each offer. Graph each offer in a different color on the coordinate plane.

First Offer	
Pounds	Price
1	
2	
3	

Second Offer	
Pounds	Price
1	
2	
3	



b) First offer unit rate: \_\_\_\_\_

Second offer unit rate: \_\_\_\_\_

c) Which is the better deal for Salt Water Taffy?

How do you know? \_\_\_\_\_

5. Mario will pay you 360 gold coins for 2 hours of racing Go-Karts.  
Luigi will pay you 426 gold coins for 3 hours of racing Go-Karts.

a) Complete the table for each offer

Mario's Offer	
Hours	Payment
1	
2	
3	
4	
5	

Luigi's Offer	
Hours	Payment
1	
2	
3	
4	
5	

b) Write each offer as a rate fraction.

Mario's: \_\_\_\_\_

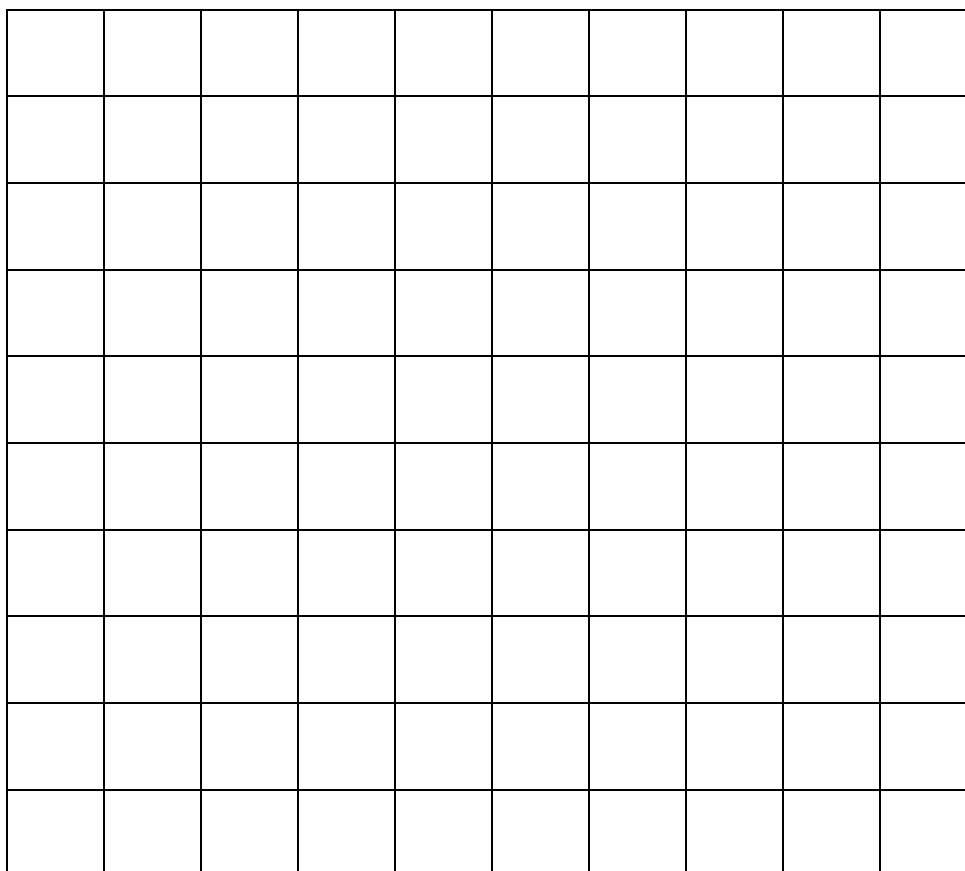
Luigi's: \_\_\_\_\_

c) Find the unit rate for each offer.

Mario's: \_\_\_\_\_

Luigi's: \_\_\_\_\_

d) Graph each offer in a different color on the same coordinate plane.



e) Whom would you rather race for? \_\_\_\_\_ Why? \_\_\_\_\_

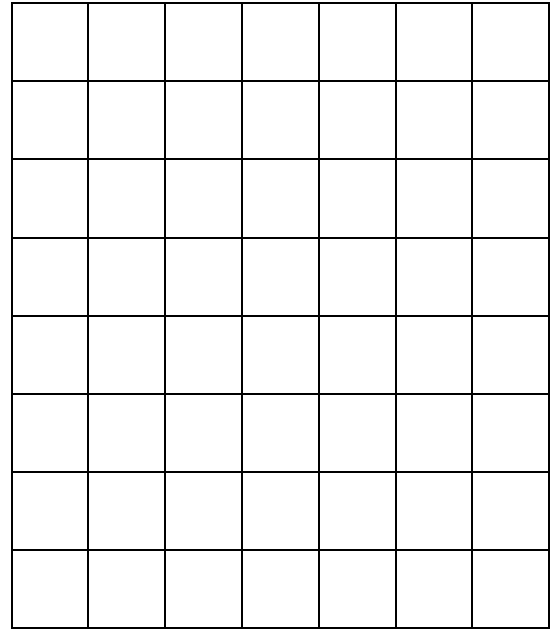
\_\_\_\_\_

6. The Jones family drives 200 miles in 5 hours.  
The Grant family drives 360 miles in 6 hours.

- a) Complete the table for each family.  
Graph each family's rate in a different color.

Jones Family	
Hours	Miles

Grant Family	
Hours	Miles



- b) Jones Family unit rate: \_\_\_\_\_  
Grant Family unit rate: \_\_\_\_\_

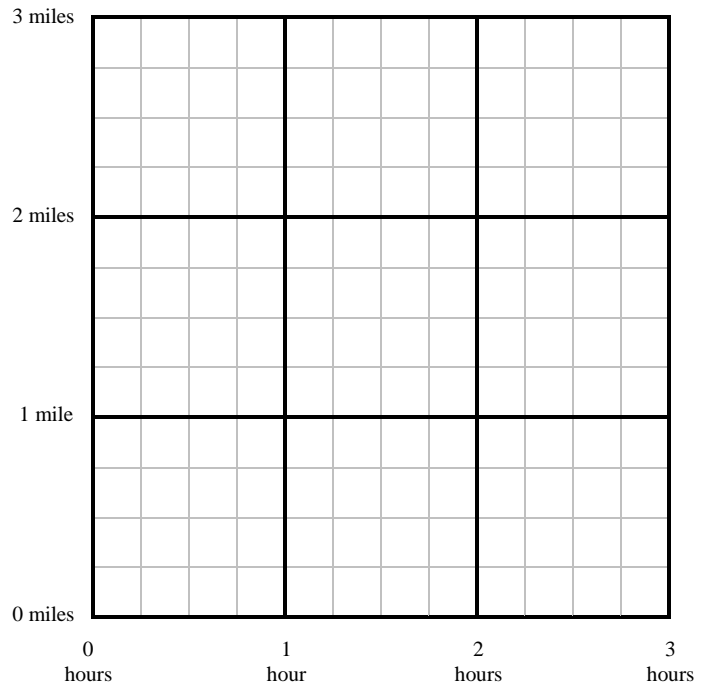
- c) Which family is driving faster? \_\_\_\_\_ How do you know? \_\_\_\_\_
- 

7. The tortoise can walk  $\frac{1}{2}$  a mile in  $\frac{1}{4}$  of an hour.  
The hare can run  $1\frac{1}{2}$  miles in  $\frac{1}{2}$  of an hour.

- a) Complete the table for each animal.  
Graph each animal's rate in a different color.

Tortoise	
Hours	Miles

Hare	
Hours	Miles



- b) Tortoise's unit rate: \_\_\_\_\_  
Hare's Unit Rate: \_\_\_\_\_

- c) Which animal is faster? \_\_\_\_\_ How do you know? \_\_\_\_\_
-