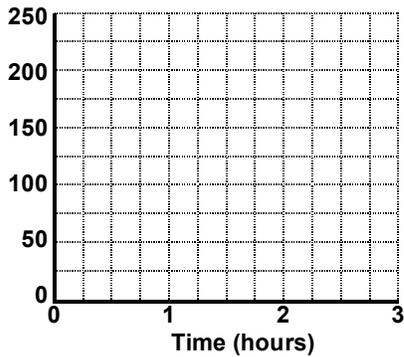


# What's the Pattern? (Part 1)

Name \_\_\_\_\_

In this activity, you will explore patterns in everyday situations.

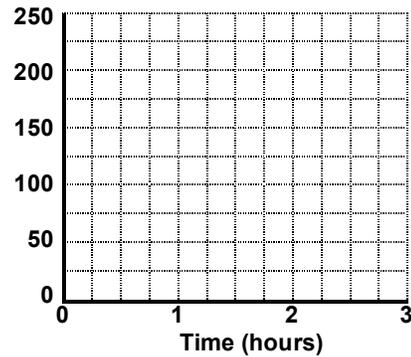
1. Artur eats 50 M&Ms every hour. If he continues like this, how many M&Ms will he eat in 3 hours? How about in 4 hours? And in 10 hours?



Time		# M&Ms
0		
1		
2		
3		

What is the rule for predicting how many M&Ms Artur can eat in "x" hours?

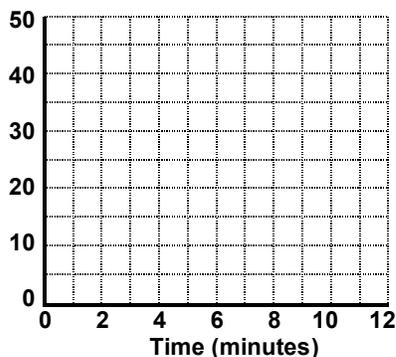
2. Rosie eats 75 M&Ms every hour. If she continues like this, how many M&Ms will she eat in 3 hours? How about in 4 hours? And in 10 hours?



Time		# M&Ms
0		
1		
2		
3		

What is the rule for predicting how many M&Ms Rosie can eat in "x" hours?

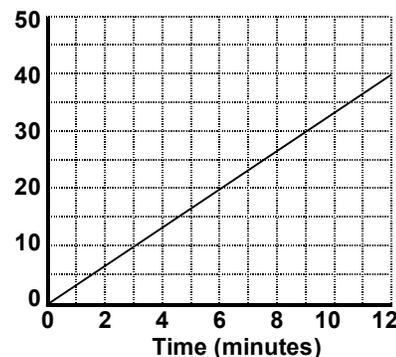
3. Sandy can eat 5 M&Ms every 2 minutes. If she continues like this, how many M&Ms will she eat in 12 minutes? How about in 60 minutes?



Time		# M&Ms
0		
2		
4		
6		

What is the rule for predicting how many M&Ms Sandy can eat in "x" minutes?

4. The graph below shows how many M&Ms Hector eats during the times shown. If he continues like this, how many M&Ms will he eat in 60 minutes?



Time		# M&Ms

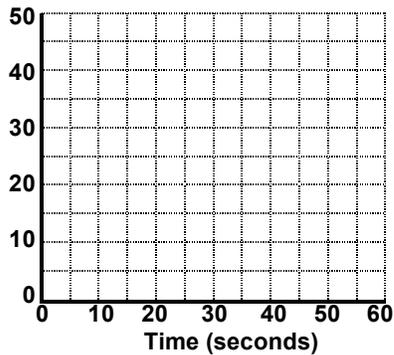
What is the rule for predicting how many M&Ms Hector can eat in "x" minutes?

## What's the Pattern? (Part 2)

Name \_\_\_\_\_

In this activity, you will continue to explore patterns in everyday situations.

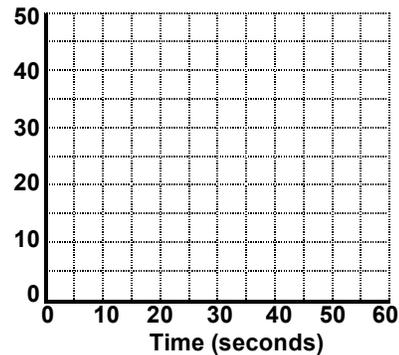
5. Thelma can run 20 feet in 10 seconds. If she continues like this, how far can she run in 90 seconds? How about in 300 seconds?



Time		Dist.
0		
10		
20		
30		

What is Thelma's speed (in feet per second)?  
What rule did you use to find her distance?

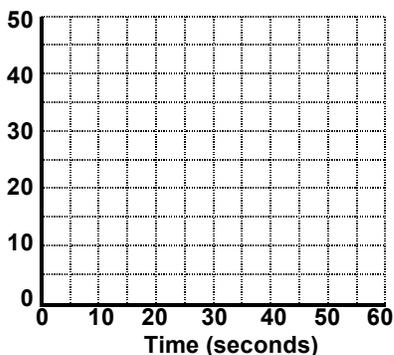
6. Erick can run 20 feet in 15 seconds. If he continues like this, how far can he run in 90 seconds? How about in 300 seconds?



Time		Dist.
0		
15		
30		
45		

What is Erick's speed (in feet per second)?  
What rule did you use to find his distance?

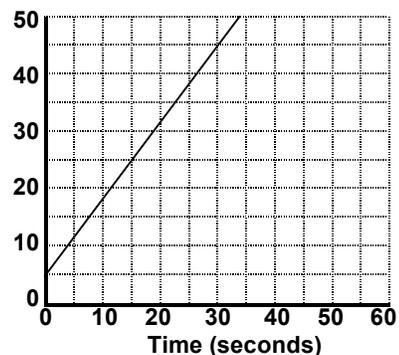
7. Maricruz can also run 20 feet in 10 seconds. But if she has a 15 feet head start (when  $t = 0$ ), how far will she be in 30 seconds? In 90 seconds?



Time		Dist.
0		
10		
20		
30		

What is Maricruz's speed (in feet per second)?  
What rule did you use to find her distance?

8. Francisco can run 20 feet in 15 seconds. Using the graph below, predict how far he will be in 30 seconds? In 45 seconds? In 90 seconds?



Time		Dist.
0		
15		
30		
45		

What is Francisco's speed (in feet per second)?  
What rule did you use to find his distance?