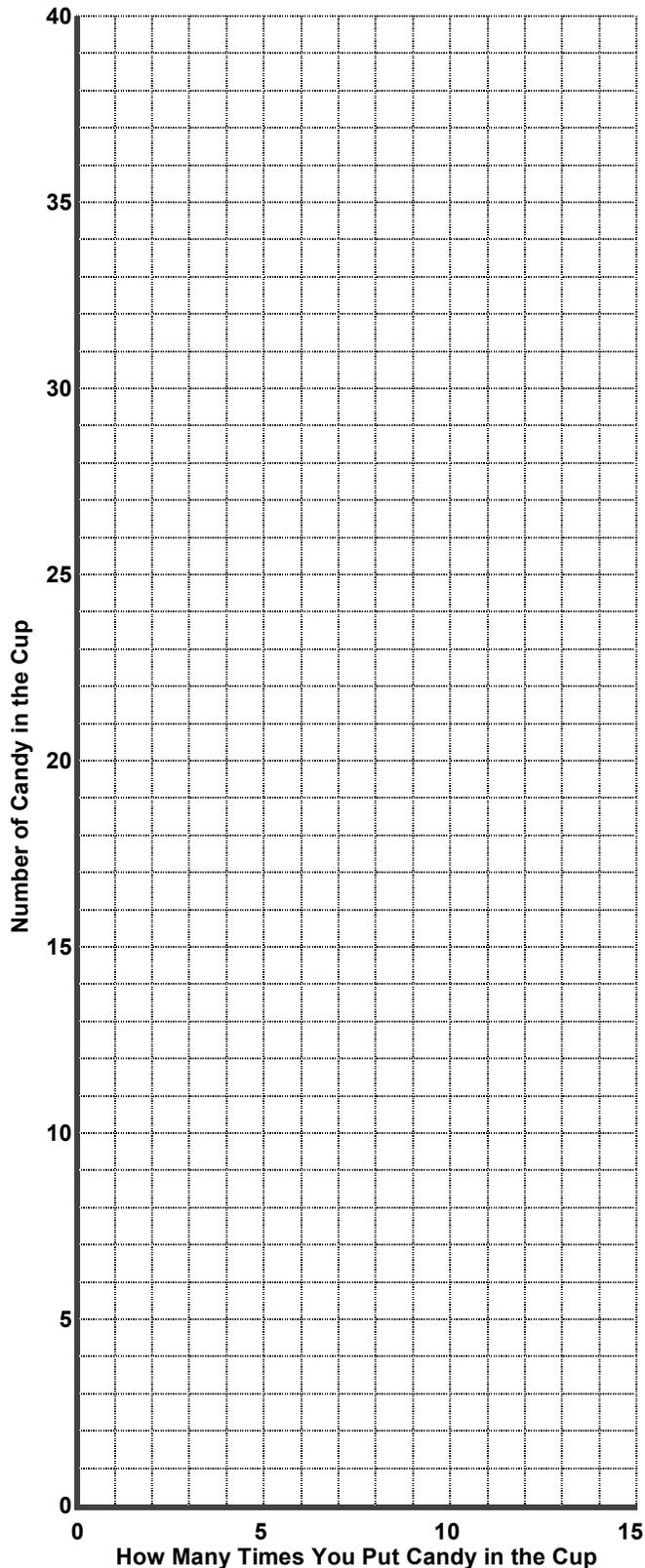


## Counting Candy

Name \_\_\_\_\_

In this investigation, you will determine how many pieces of candy are in the cup as you keep adding 4 pieces each time you put candy in the cup.

**Step 1:** Take turns putting 4 pieces of candy in the cup. Record how many total pieces of candy are in the cup each turn.



$x$	$y$
Times Counting	Total Candy in Cup
0	0
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

**Step 2** Carefully plot your points from the table on the graph.

**Step 3** How much do the  $x$ -values change by each time you put candy in the cup? How much do the  $y$ -values change each time you put candy in the cup?

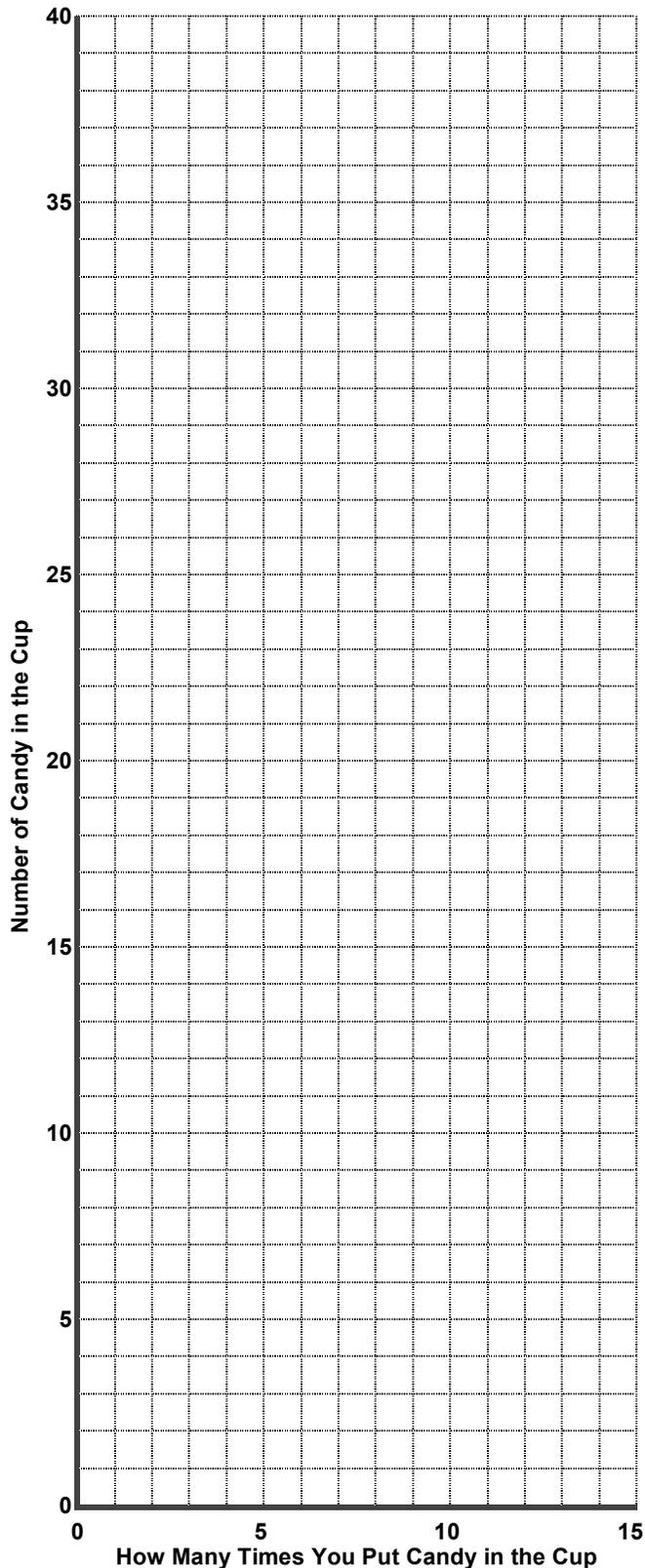
**Step 4** What do you notice about the direction of the graph?

## Eating Candy

Name \_\_\_\_\_

In this investigation, you will determine how many pieces of candy are left in the cup as you enjoy eating them.

**Step 1:** Take turns eating 4 pieces of candy at a time. Record how many total pieces of candy are left in the cup each turn.



$x$	$y$
Times Eating	Total Candy in Cup
0	40
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

**Step 2** Carefully plot your points from the table on the graph.

**Step 3** How much do the  $x$ -values change by each time you eat the candy? How much do the  $y$ -values change each time you eat the candy?

**Step 4** What do you notice about the direction of the graph?