

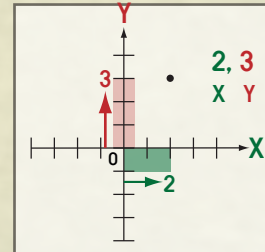
# MARBLE MADNESS

Toy marbles have been around for thousands of years. (Yes, I said thousands.) They were very expensive to produce because they were created by hand: one-marble-at-a-time. Here is a little Akron marble history. Akronite Samuel C. Dyke ignited the modern toy industry when he automated his marble factory in 1884.

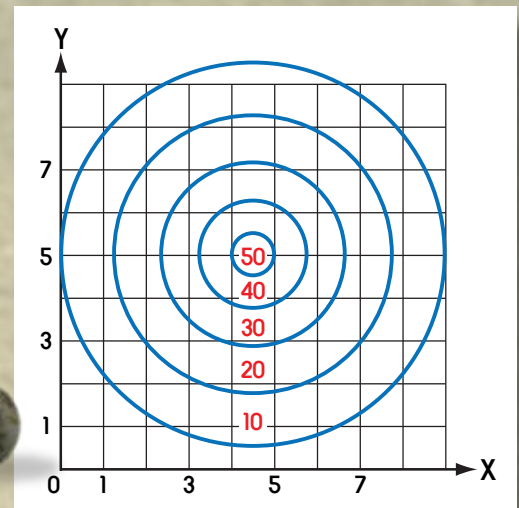
Sam Dyke revolutionized marble production when he invented machinery to fully mass-produce toy marbles made out of clay, later to become nick-named "commies" by the children who were enthralled by them (because they became so common among all the varieties of marbles to be eventually produced). To find out more visit <http://www.americantoymarbles.com/>

To complete this activity you need to know how to graph a point.

**Reminder:** A point is made up of two numbers an x coordinate and a y coordinate, (x, y). To graph (2, 3) You first begin at (0,0) and go to the right 2 hops and up 3 hops. Place a dot there.



You and a friend decide to play marbles. Your marbles land on the points (1,7), (2,5), and (6,6), while your friend's land on the points (8,3), (7,2) and (5,2). Draw the marbles on the grid. Find out the total score for each of you. Decide who won and by how much.



You decide to play a second game. Your total score was 100. You shot four marbles and none of them landed in the 50 point circle. Draw your marbles on the grid and write the coordinates of your points. **Hint:** Be careful the grid has changed.

