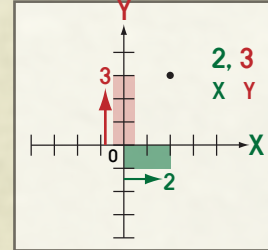


# MARBLE MADNESS

## Answers

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.

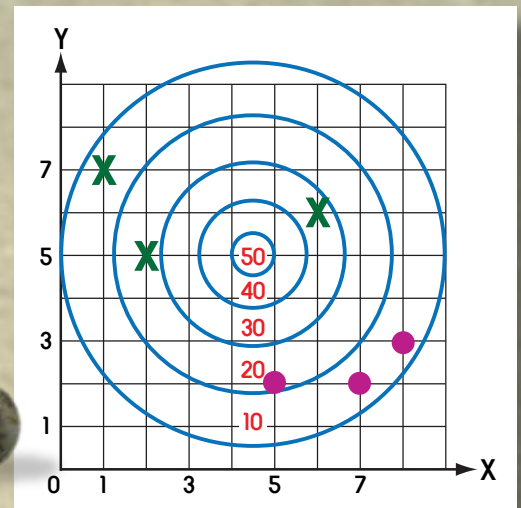


You and a friend decide to play marbles. Your marbles land on the points (1,7), (2,5), and (6,6), while your friend's land on the points (8,3), (7,2) and (5,2). Draw the marbles on the grid. Find out the total score for each of you. Decide who won and by how much.

**X** Yours  $10 + 20 + 30 = 60$

**●** Friend  $10 + 10 + 20 = 40$

**You scored 20 more points**



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.

**Example (Answers may vary):**

$(1,1) + (3,1) + (1,-1) + (2,-2)$

$40 + 30 + 20 + 10 = 100$

