

Tally sheet for drawing two marbles from a bag of seven

Second activity: You have seven marbles, 4 of one color (call it color 1), 2 of a second color (call it color 2), and 1 of a third (call it color 3). On each draw, you take two from the bag and record their colors.

Record here your actual colors: 1 is _____, 2 is _____, 3 is _____.

There are 5 possible outcomes, 11, 12, 13, 23, and 22. Make 50 draws, and record your outcomes by making an x for each one in the table below.

Tally Sheet for Drawing Two Tokens out of Seven

[illegible][illegible]

[illegible]

Compare your totals to the theoretical probabilities.

| outcome | my percentages | theoretical probability |
|---------|----------------|-------------------------|
| 11 | | 29% |
| 12 | | 38% |
| 13 | | 19% |
| 23 | | 9.9% |
| 22 | | 5% |