

Exercise 3 : Order of Outcomes

1. There are red, blue and yellow marbles in a bag. Susie draws out two marbles, one marble at a time. What are the possible outcomes?

| Color of 1st marble | Color of 2nd marble | Outcome |
|------------------------|------------------------|---------|
|------------------------|------------------------|---------|

| | | |
|---|---|---------------|
| R | R | → Red, Red |
| | Y | → Red, Yellow |
| | B | → Red, Blue |

1st marble is red.



| | | |
|---|---|------------------|
| Y | R | → Yellow, Red |
| | Y | → Yellow, Yellow |
| | B | → Yellow, Blue |

| | | |
|---|---|----------------|
| B | R | → Blue, Red |
| | Y | → Blue, Yellow |
| | B | → Blue, Blue |

There are _____ possible outcomes.