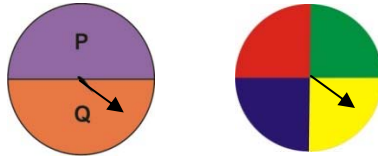Name _____   Date _____

Predicting the Outcome of Events - Step-by-Step Lesson

Richard spins the spinner on both wheels. Spinner 1 can land on area P or Q. Spinner two can land on any of 4 colors (red, blue, green, yellow). How many outcomes are possible?
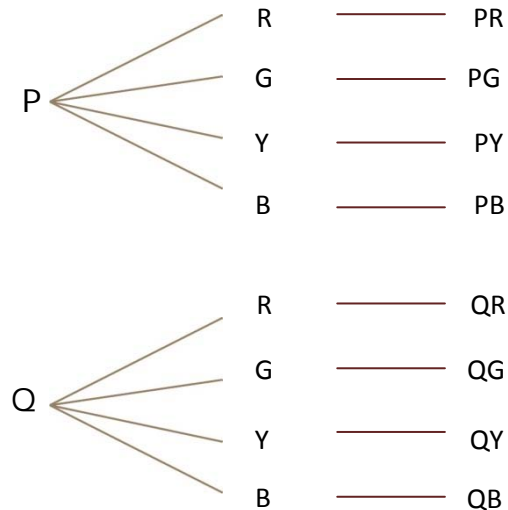

Explanation:

First make a tree diagram, then count the branches.

The first event has 2 outcomes: P, Q.

The second event had 4 outcomes: Red (R), Green (G), Yellow (Y), Blue (B).

Make the tree diagram:-

```
              R  ———————  PR
              G  ———————  PG
    P  <
              Y  ———————  PY
              B  ———————  PB


              R  ———————  QR
              G  ———————  QG
    Q  <
              Y  ———————  QY
              B  ———————  QB
```

Count the number of branches. There are 8 branches.

So, the answer is 8 possible outcomes.