

Name \_\_\_\_\_

Period \_\_\_\_\_

Partner \_\_\_\_\_

### Spinner Lab

1. Predict what color you will spin the most \_\_\_\_\_

2. Is this a fair spinner? Why or why not?

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Data Collection—Spin your spinner 40 times.

Blue	Green	Orange	Red	Yellow	Purple

Write the probability of spinning each color as a fraction. Simplify if possible.

Blue \_\_\_\_\_

Green \_\_\_\_\_

Orange \_\_\_\_\_

Red \_\_\_\_\_

Yellow \_\_\_\_\_

Purple \_\_\_\_\_

1. The probability of spinning each color is equally likely. Why are your probabilities not all the same in your experiment?

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2. This same spinner is used in a game in class. If a student spins a purple, they get extra credit on their next test. If all 120 students had a chance, how many students would be winners based on your results? Show your work below.

Answer \_\_\_\_\_