

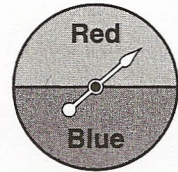
Enrichment

Probability Predictions

The outcomes of an experiment using a spinner and 20 trials are:

Red Red Red Red Red Red Red Red Red Red
Blue Blue Blue Blue Blue Blue Blue Blue Blue Red

There were 11 red outcomes and 9 blue outcomes. If we assume that these outcomes are close to the theoretical probability of the spinner, we can predict that one-half of the spinner is red and one-half of the spinner is blue and that it might look like the spinner at the right.



Use the outcomes of each experiment to describe what the spinner or cube used in each experiment might look like. Assume all outcomes are close to the theoretical probability of each spinner or cube.

1. A spinner is spun 100 times.

Outcome	Frequency
Red	48 times
Yellow	24 times
Green	28 times

Description of spinner:

2. A cube is tossed 60 times.

Outcome	Frequency
1	22 times
2	18 times
3	20 times

Description of cube:

3. A spinner is spun 80 times.

Outcome	Frequency
Orange	23 times

Description of spinner:

4. A cube is tossed 120 times.

Outcome	Frequency
1	19 times
2	22 times
3	19 times

Description of cube:

5. A cube is tossed 60 times.

Outcome	Frequency
2	18 times
4	11 times
6	9 times

Description of cube:
