Name _____   Date _____

Creating Probability Models - Guided Lesson Explanation

Explanation#1

The result of the eleventh toss does not depend on the previous results. A two-sided coin has two possible outcomes, so the probability would be 1/2.

Explanation#2

$$P(\text{goal}) = \frac{goals}{total} = \frac{4}{16} = \frac{1}{4}$$

$$P(\text{goal}) = \frac{1}{4}$$

Explanation#3

Since all the spinner areas are the same size (1/4) there is an equal chance of landing on all areas.

$$P(\text{yellow}) = \frac{1}{4}$$

$$P(\text{blue}) = \frac{1}{4}$$

$$P(\text{green}) = \frac{1}{4}$$

$$P(\text{red}) = \frac{1}{4}$$