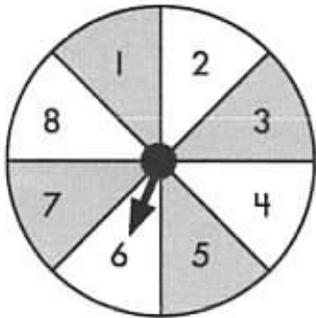


Lesson 1.3 Uniform Probability Models

When all outcomes of an experiment are equally likely, the event has **uniform probability**.



This spinner has 8 equally divided sections. Every time it is used, there is an equal chance ($\frac{1}{8}$) that it will land on any given number.

Chance of spinning 6 — $\frac{1}{8}$

Chance of spinning 3 — $\frac{1}{8}$

Chance of spinning 7 — $\frac{1}{8}$

Write *yes* or *no* to tell if each situation describes a uniform probability model.

- | | a | b |
|----|--|--|
| 1. | rolling one die
<u>yes</u> | rolling two dice
<u>no</u> |
| 2. | flipping a coin
<u>yes</u> | a spinner with 3 stars and 2 diamonds
<u>no</u> |
| 3. | calling on a girl in class
<u>yes</u> | calling on any student in class
<u>yes</u> |
| 4. | winning the lottery
<u>no</u> | drawing an 8 from a deck of cards
<u>no</u> |
| 5. | calling on a boy in class
<u>no</u> | a spinner with 5 red and 2 blue sections
<u>no</u> |
| 6. | flipping a coin and rolling a die
<u>no</u> | a spinner with 3 squares and 3 triangles
<u>yes</u> |