7.SP.8: Worksheet
Solutions

Use the information below to answer problems 1-4. Two spinners are shown in Figure 1. A person will spin each spinner one time.
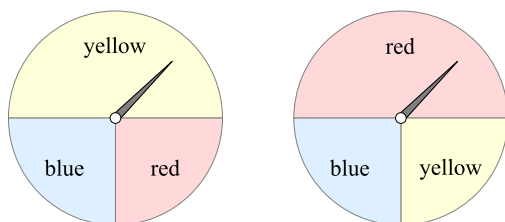

Figure 1.

1. What is the probability of getting exactly one blue? $\frac{6}{16}$ or 0.375

2. What is the probability of getting a yellow on the first spinner and a blue on the second spinner? $\frac{2}{16}$ or 0.125

3. What is the probability of getting no yellows? $\frac{6}{16}$ or 0.375

4. What is the probability of getting two blues? $\frac{1}{16}$ or 0.0625

Use the following information to answer problems 5-9. Two number cubes are tossed.

5. What is the probability of getting two 3s? $\frac{1}{36}$

6. What is the probability of at least one 3? $\frac{11}{36}$

7. What is the probability of getting two even numbers? $\frac{1}{4}$

8. What is the probability of getting a sum of seven from the two number cubes? $\frac{8}{36}$

9. What is the probability a greater number on the first number cube than the second number cube? $\frac{15}{36}$

10. Sandra collects Barbie dolls, and of her thousands and thousands of Barbies, 40% of them aren't blonde. If we choose Barbie dolls from Sandra's collection at random (and return them after each selection), find the probability that it will take at least four tries to choose a Barbie doll that isn't blonde using a simulation. Approximately 0.216