

**15.1-15.5**

**Review**

# Vocabulary

**Experiment -** \_\_\_\_\_

\_\_\_\_\_

**Outcomes -** \_\_\_\_\_

\_\_\_\_\_

**Event -** \_\_\_\_\_

\_\_\_\_\_

**Favorable -** \_\_\_\_\_

**Outcomes** \_\_\_\_\_

**Probability -** \_\_\_\_\_

\_\_\_\_\_

# Vocabulary

**Relative -**

**Frequency**

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**Experimental -**

**Probability**

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**Theoretical -**

**Probability**

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**Sample -**

**Space**

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**Fundamental**

**Counting -**

**Principle**

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# Vocabulary

Independent - \_\_\_\_\_  
Events \_\_\_\_\_

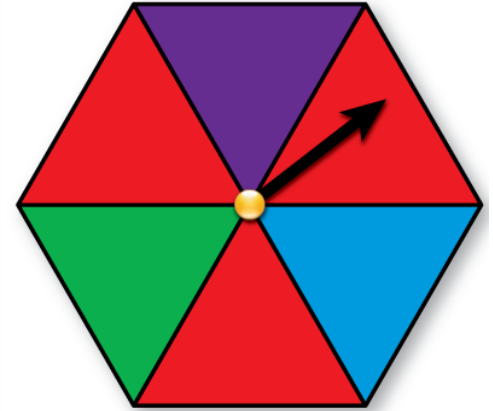
Dependent - \_\_\_\_\_  
Events \_\_\_\_\_



# 15.1 - Outcomes and Events

2) You spin the spinner shown

- a. How many ways can spinning blue occur?
  
  
  
  
  
  
  
  
  
  
- b. How many ways can spinning *not* green occur?
  
  
  
  
  
  
  
  
  
  
- c. What are the favorable outcomes of spinning *not* green?



# 15.2 - Probability

3) There is a 20% chance of snow flurries tomorrow. Describe the likelihood of the event.

4) What is the probability of rolling a number greater than 4?



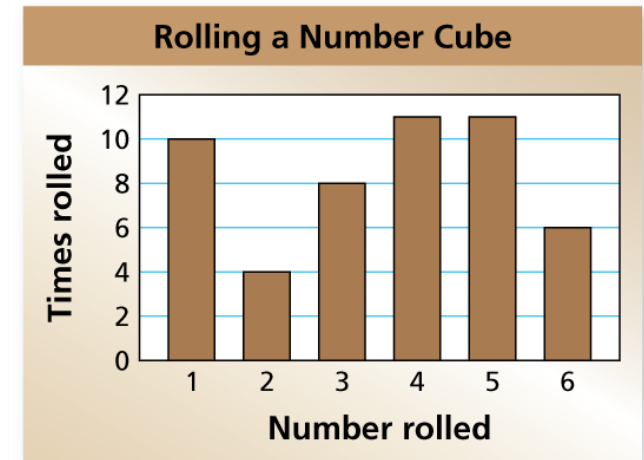
## 15.2 - Probability

- 5) The probability that you randomly draw a short straw from a group of 50 straws is  $\frac{9}{25}$ . How many are short straws?



# 15.3 - Experimental & Theoretical Probability

6) What is the experimental probability of rolling a prime number?



7) It rains 3 out of the last 15 days in May. If this trend continues, how many rainy days would you expect in June?

J U N E

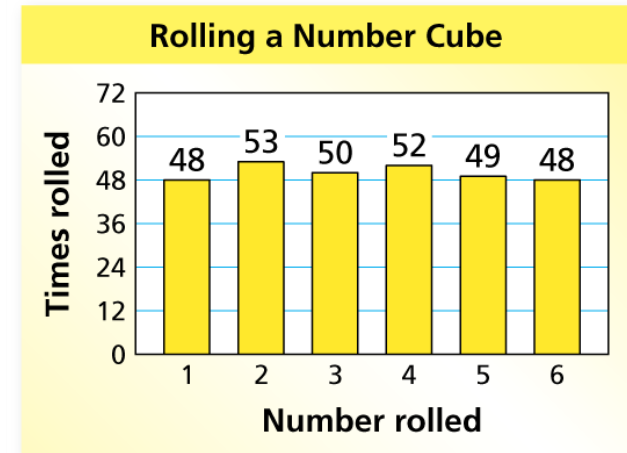
SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

## **15.3 - Experimental & Theoretical Probability**

- 8) The theoretical probability that you randomly choose a red marble from a bag is  $\frac{5}{8}$ . There are 40 marbles in the bag. How many are red?

# 15.3 - Experimental & Theoretical Probability

9) a. What is the experimental probability of rolling an even number?



b. How does the experimental probability compare with the theoretical probability of rolling an even number?

## **15.4 - Compound Events**

- 10) At a sub shop, you can choose ham, turkey, or roast beef on either white or wheat bread. You randomly choose a meat and bread. Find the sample space. How many subs are possible?



## **15.4 - Compound Events**

- 13) You flip three dimes. What is the probability of flipping three heads?

# 15.5 - Independent and Dependent Events



14) What is the probability of spinning a composite number and flipping tails?



# 15.5 - Independent and Dependent Events

15) People are randomly chosen to be game show contestants from an audience of 100 people. You are with 5 of your relatives and 6 other friends. What is the probability that one of your friends is chosen first, and then you are chosen second?

