



## Simple Probability

*Spiral Review Partners with Pizzazz, Form A*

**Directions:** Solve each problem below. Find a partner with Form B. The words with your correct answers are the solution to your partner's riddle. The words with your partner's correct answers are the solution to your riddle.

- A** The probability of picking a card with a parallelogram is  $\frac{1}{4}$  and the probability of picking a card without a parallelogram is  $\frac{3}{4}$ .
- C** {blue, green, red, yellow}
- E**  $\frac{3}{8}$
- H** The flavor is twice as likely to be cherry as grape.
- N** 24
- O** {marble}
- R** The flavor is twice as likely to be cherry as watermelon.
- T** The probability of picking a card with a parallelogram is  $\frac{1}{6}$  and the probability of picking a card without a parallelogram is  $\frac{5}{6}$ .
- U** 16
- W**  $\frac{1}{2}$

1. The table shows the numbers of candies of different flavors in a bag. A trick-or-treater will randomly select one candy from the bag.

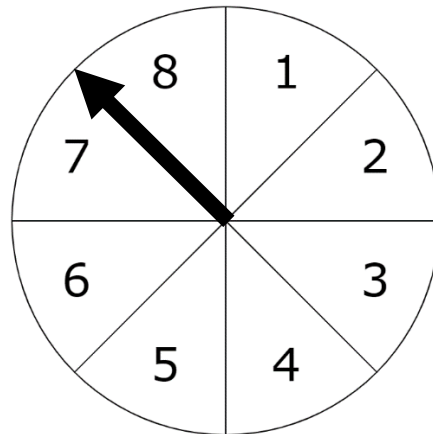
### Halloween Candy

Flavor	Number of Candies
Cherry	24
Grape	48
Green Apple	4
Watermelon	12

Based on the results in the table, which statement about the candies in this bag is NOT true?



2. A spinner with eight congruent sections is shown.



What is the probability of spinning a number less than 4?

3. A bag contains 4 blue marbles, 3 green marbles, 3 red marbles, and 2 yellow marbles. What is the sample space for choosing a single marble from the bag?



**4.** A box contains

- 3 pink erasers
- 5 blue erasers
- 1 green eraser
- 4 orange erasers
- 2 yellow erasers

An eraser will be selected from the box and replaced 90 times. What is a reasonable prediction for the number of times an orange eraser will be selected?

- 5.** A student has a deck of geometric figure cards. Each card has a picture of one geometric figure. The table shows the number of cards that have a picture of each geometric figure. The student will randomly select one card from the set.

**Geometric Figure Cards**

Geometric Figure	Number of Cards
Circle	5
Parallelogram	15
Rectangular pyramid	12
Triangle	10
Triangular prism	18

Which statement is true?

**Riddle: What kinds of parties does a probability teacher plan?**

**Answer:**

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**# 3                      # 2                      # 3                      # 5                      # 1                      # 4**

(Remember, the words to answer your riddle are on your partner’s paper.)

