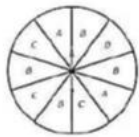


NAME ANS KEY HW # \_\_\_\_\_

1. The spinner below is spun 650 times. About how many times can we expect to land on the letter A or C?



$$P(A \text{ or } C) = \frac{5}{10}$$

$$\frac{1}{2} \cdot \frac{650}{1} = 325$$

About  
325  
times

2. A certain team has a 32% chance of winning a game. If they play 40 more games, predict how many they will win.

$$.32(40) = 12.8$$

About 13  
games

3. The theoretical probability that an App on your iPhone is a game is 0.30. If there are 30 Apps on your iPhone, how many of the apps are games?

$$.30(30) = 9$$

About 9 apps

4. Determine the number of possible outcomes:



- a. Flip two coins and roll a die      b. Spin a spinner and roll two dice      c. Roll three six-sided dice

$$2 \cdot 2 \cdot 6$$

24

$$6 \cdot 6 \cdot 4$$

144

$$6 \cdot 6 \cdot 6$$

216

5. If a woman has eight different shirts, four different skirts, and six different pairs of shoes, how many different possible outfits consisting of a shirt, skirt, and shoes are possible?

$$8 \cdot 4 \cdot 6 = 192 \text{ possible outfits}$$

6. A type of car comes in 5 styles, 6 colors, and 2 different engines. How many different types of cars can be sold?

$$5 \cdot 6 \cdot 2 = 60 \text{ types of cars}$$

7. Mikey orders from a lunch menu that has six appetizers, two soups, eight entrees, five desserts and 6 drink options. How many different meals consisting of either an appetizer or a soup, one entrée, one dessert and one drink can Mikey order?

$$6 + 2 = 8$$

$$8 \cdot 8 \cdot 5 \cdot 6 = 1920 \text{ different meals}$$