More Basic Probability

7th Grade Math

Name: Key

Show each probability as a fraction and percent.

- 1) There are 5 white balls, 8 red balls, 7 yellow balls, and 4 green balls in a container. A ball is chosen at random.
 - a) What is the probability of choosing a red? $\frac{8}{24} = \frac{1}{3}$

b) What is the probability of choosing a green?

c) What is the probability of choosing either a red or white?

- 2) A card is drawn from a single deck of 52 cards.
 - a) Find the probability of drawing a black king. $\frac{2}{67} = \frac{1}{76} \approx 3.8\%$
 - b) Find the probability of drawing a white queen. $C_{1} = C_{2} = C_{3}$
 - c) Find the probability of drawing a club.

d) What is the probability of choosing neither white nor green?

e) What is the probability of choosing anything other than yellow?

f) What is the probability of choosing black?

d) Find the probability of drawing a red card.

 e) Find the probability of drawing a black jack.

$$\frac{2}{52} = \frac{1}{26} \approx 3.8\%$$

- Numbers from 1-50 are written on a piece of paper and dropped into a box. A paper is chosen at random.
 - a) Find the probability of choosing a multiple of 4 or multiple of 5.

b) Find the probability of choosing a number greater than 25.

c) Find the probability of choosing a number less than 30.

- 4) A fair die is rolled.
 - a) Find the probability of rolling an even number.

b) Find the probability of rolling an odd number less than 3.

$$\frac{1}{6} = 16.5\%$$

 d) Find the probability of choosing a number greater than 10 but less than 30.

e) Find the probability of choosing a multiple of 12.

c) Find the probability of rolling a 7.

d) Find the probability of rolling an even prime number.