

Number:

Textbook Section:

Title:

Vocabulary:

If a die is rolled, the probability of getting a 6 is

Notation:

1. If two dice are rolled, what is the probability of getting a sum of 6?

$$\leq P(E) \leq$$

2. Suppose one die is rolled. What is the probability of getting less than 5?
3. Suppose one die is rolled. What is the probability of getting an even number?
4. Suppose one die is rolled, what is the probability of rolling less than 5 or an even number?

$$P(A \cup B) =$$

If  $P(A \cap B) = 0$ , then  $A$  and  $B$  are

Odds

Recall that if two dice are rolled,

$$P(\text{sum is } 6) = \frac{5}{36}$$

$$P(\text{sum is not } 6) =$$

The odds in favor of getting a sum of 6 are:

The odds against getting a sum of 6 are:

5. If a pollster says the odds against Candidate A winning an election are 3 to 5,

a) what are the odds in favor of Candidate A winning the election?

b) What is the probability that Candidate A will win the election?

c) What is the probability that Candidate A will lose the election?