

Topic : Probability of a Complement of an Event- Worksheet 1**Do the following:**

- 1. You roll a die. What is the probability that 2 will not appear on the die?**
- 2. Two 6-sided dice are rolled. What is the probability of rolling a number that is not an odd number?**
- 3. Ray and Shan are playing football. Probability of Ray winning the football game is .36

So what is the probability of Shan winning?**
- 4. A girl chooses an item at random from 12 skirts and 16 tops. What is the probability that the girl does not choose a skirt?**
- 5. A bowl contains 2 green, 10 blue, and 8 red stones. If two stones are chosen at random from the bowl, what is the probability that it is not green?**
- 6. A number from 1 to 8 is chosen at random. What is the probability that the number chosen is not even?**
- 7. If a single 6-sided die is rolled, what is the probability of rolling a number that is not 1 or 5?**
- 8. A single card is chosen at random from a standard deck of 52 playing cards. What is the probability of choosing a card that is not a diamond?**
- 9. You roll a die numbered from 1 to 6. What is the probability that the sum is not 6?**
- 10. There are 6 balls in a bucket and 3 of them are white. If you choose a ball at random, what is the probability that it will not be white?**



Name _____

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Topic : Probability of a Complement of an Event- Worksheet 2

Do the following:

- 1. You roll three die. What is the probability that 5 will not appear on the die?**
- 2. A 6-sided dice are rolled. What is the probability of rolling a number that is not an even number?**
- 3. Ricky and Nicky are playing basketball. Probability of Ricky winning the basketball game is .44. So what is the probability of Shan winning?**
- 4. A boy chooses an item at random from 15 remote cars and 20 teddy bears. What is the probability that the boy will not choose a teddy bear?**
- 5. A bucket contains 4 blue, 3 pink, and 3 yellow balls. If four balls are chosen at random from the bucket, what is the probability that it is not blue?**
- 6. A number from 5 to 15 is chosen at random. What is the probability that the number chosen is not odd?**
- 7. If two 6-sided die is rolled, what is the probability of rolling a number that is not 3 or 6?**
- 8. A single card is chosen at random from a standard deck of 52 playing cards. What is the probability of choosing a card that is not an Ace card?**
- 9. You roll a die numbered from 1 to 4. What is the probability that the sum is not 2?**
- 10. There are 19 marbles in a bag and 12 of them are purple. If you choose a marble at random, what is the probability that it will not be purple?**



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Topic : Probability of a Complement of an Event- Worksheet 3

Do the following:

- 1. You roll four die. What is the probability that 3 will not appear on the die?**
- 2. Three 6-sided dies are rolled. What is the probability of rolling a number that is not an odd number?**
- 3. Ronny and Monee are playing cricket. Probability of Ronny winning the cricket game is .55. So what is the probability of Monee winning?**
- 4. A woman chooses an item at random from 20 suits and 14 skirts. What is the probability that the woman chooses an item that is not a suit?**
- 5. A box contains 5 blue, 7 black, and 10 red pens. If ten pens are chosen at random from the box, what is the probability that it is not red?**
- 6. A number from 10 to 25 is chosen at random. What is the probability that the number chosen is not even?**
- 7. If three 6-sided dies are rolled, what is the probability of rolling a number that is not 2 or 4?**
- 8. A single card is chosen at random from a standard deck of 52 playing cards. What is the probability of choosing a card that is not a black card?**
- 9. You roll two dies numbered from 1 to 6. What is the probability that the sum is not 6?**
- 10. There are 25 stones in a jar and 15 of them are brown. If a stone is chosen at random, what is the probability that it will not be brown?**



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Topic: Probability of a Complement of an Event- Worksheet 4

Do the following:

- 1. You roll two die. What is the probability that 1 will not appear on the die?**
- 2. Four 6-sided dice are rolled. What is the probability of rolling a number that is not an even number?**
- 3. Tinny and Minnie are playing tennis. Probability of Tinny winning the tennis game is .75. So what is the probability of Minnie winning?**
- 4. A man is chooses an item at random from 12 shirts and 18 ties. What is the probability that what the man chooses is not a shirt?**
- 5. A jar contains 40 pins. In which 13 are gray pins, 17 are red, and 10 are blue. A pin is chosen at random from the jar, what is the probability that it is not blue?**
- 6. A number from 1 to 18 is chosen at random. What is the probability that the number chosen is not odd?**
- 7. If one 6-sided die is rolled, what is the probability of rolling a number that is not 3 or 6?**
- 8. A single card is chosen at random from a standard deck of 52 playing cards. What is the probability of choosing a card that is not a heart?**
- 9. You roll four dies numbered from 1 to 6. What is the probability that the sum is not 5?**
- 10. There are 16 chocolates in a plate and 5 of them are dairy milk. If 1 chocolate is chosen at random, what is the probability that it will not be dairy milk?**



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Topic : Probability of a Complement of an Event- Worksheet 5

Do the following:

- 1. You roll one die. What is the probability that 2 will not appear on the die?**
- 2. Two 6-sided dice are rolled. What is the probability of rolling a number that is not an odd number?**
- 3. Andrew and Freddy are playing volleyball. Probability of Andrew winning the volleyball game is .48. So what is the probability of Freddy winning?**
- 4. A girl chooses an item at random from a bakery that has 5 pastries and 6 patties. What is the probability that the girls chooses an item that is not a pastry?**
- 5. A bag contains 15 bottles. In which 5 are pink, 6 are black, and 4 are red. 1 bottle is chosen at random from the bag, what is the probability that it is not pink?**
- 6. A number from 5 to 20 is chosen at random. What is the probability that the number chosen is not even?**
- 7. If two 6-sided die is rolled, what is the probability of rolling a number that is not 2 or 4?**
- 8. A single card is chosen at random from a standard deck of 52 playing cards. What is the probability of choosing a card that is not a club?**
- 9. You roll two dies numbered from 1 to 6. What is the probability that the sum is not 6?**
- 10. There are 10 flowers in a garden and 5 of them are roses. If a flower is chosen at random, what is the probability that it will not be rose?**

