

Name _____

Date _____

Topic: Theoretical Probability- Worksheet 1

Do the following:

Two dice are rolled, what is the probability:

1. A sum of 6 appears on the pair of dice.
2. One appears on both the dice.
3. Same number appears on the two dice.

From the standard deck of 52 cards a card is drawn. What is the probability that it is a:

4. A diamond
5. a king
6. Black card

A class contains 15 boys and 18 girls. The teacher asks two students to leave the class. What is the probability that the first student called on to leave is a:

7. Girl
8. Boy

A letter is chosen at random from a given word. Find the probability that the letter is a consonant if the word is:

9. SCHOOL
10. ANNIVERSARY



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Topic: Theoretical Probability- Worksheet 2

Do the following:

Two dice are rolled, what is the probability:

1. A sum of 5 appears on the pair of dice.
2. Two appears on both the dice.
3. Same number appears on the two dice.

From the standard deck of 52 cards a card is drawn. What is the probability that it is a:

4. A jack
5. red card
6. A ace

A school contains 20 male teachers and 18 female teachers. The principle asks two teachers to leave the school. What is the probability that the first teacher called on to leave is a:

7. Male teacher
8. Female teacher

A letter is chosen at random from a given word. Find the probability that the letter is a consonant if the word is:

9. WEIGHT
10. MARRIAGE



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Topic: Theoretical Probability- Worksheet 3

Do the following:

Two dice are rolled, what is the probability:

1. A sum of 4 appears on the pair of dice.
2. Six appears on both the dice.
3. Different number appears on the two dice.

From the standard deck of 52 cards a card is drawn. What is the probability that it is a:

4. 6 number
5. Black ace
6. Red ace

An office contains 6 managers and 15 employees. The boss asks two employees to leave the office. What is the probability that the first teacher called on to leave is a:

7. Manager
8. Employee

A letter is chosen at random from a given word. Find the probability that the letter is a consonant if the word is:

9. Good
10. Bad



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Topic: Theoretical Probability- Worksheet 4

Do the following:

Two dice are rolled, what is the probability:

1. A sum of 3 appears on the pair of dice.
2. Four appears on both the dice.
3. Different number appears on the two dice.

From the standard deck of 52 cards a card is drawn. What is the probability that it is a:

4. Diamonds card
5. 2 number
6. 9 number of spades

A college contains 352 boys and 400 girls. The lecturer asks two students to leave the college. What is the probability that the first students called on to leave is a:

7. boy
8. girl

A letter is chosen at random from a given word. Find the probability that the letter is a consonant if the word is:

9. Teacher
10. Students



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Topic: Theoretical Probability- Worksheet 5

Do the following:

Two dice are rolled, what is the probability:

1. A sum of 5 appears on the pair of dice.
2. Five appears on both the dice.
3. Same number appears on the two dice.

From the standard deck of 52 cards a card is drawn. What is the probability that it is a:

4. Five number
5. A King
6. A ace

A class contains 15 boys and 24 girls. The teacher asks two students to leave the class. What is the probability that the first students called on to leave is a:

7. boy
8. girl

A letter is chosen at random from a given word. Find the probability that the letter is a consonant if the word is:

9. Bus
10. car

