

Name: _____

Date _____

Topic : Probability Word Problems- Worksheet 1

What is the probability?

1. Jill is playing cards with her friend when she draws a card from a pack of 20 cards numbered from 1 to 20. What is the probability of drawing a number that is square?
2. Each of the letters in the word SAMSUNG are on separate cards, face down on the table. If you pick a card at random, what is the probability that its letter will be S or U?
3. A magician showed a magic trick where he picked one card from a standard deck. Determine what the probability is that the card will be a queen card?
4. A bag contains ten black marbles, twenty white marbles, and five grey marbles. You pick one without looking. What is the probability that the marble will be either white OR black?
5. You ask a friend to think of a number from four to twelve. What is the probability that his number will be 8?
6. Each of letters in the word are on separate cards, face down on the table. If you pick a card at random, what is the probability that its letter will be L or E?
7. You roll a SIX sided die. What is the probability that the value of the roll will be one?
8. A bag contains 5 blue sticks, 4 red sticks, and 3 orange sticks and you ask a friend to pick one without looking. What is the probability that the stick will be blue?
9. You think of a number from the first twenty negative integers. What is the probability that the integer chosen will be divisible by 4?
10. When a six sided die is rolled then what is the probability that the number rolled will be five?



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Topic : Probability Word Problems- Worksheet 2

What is the probability?

1. Jolly is playing cards with her friend when she draws a card from a pack of 30 cards numbered from 1 to 30. What is the probability of drawing a number that is square?
2. Each of the letters in the word APPLE is on separate cards, face down on the table. If you pick a card at random, what is the probability that its letter will be A or L?
3. A magician showed a magic trick where he picked one card from a standard deck. Determine what the probability is that the card will be a black queen card?
4. A bag contains five red marbles, fifteen black marbles, and ten white marbles. You pick one without looking. What is the probability that the marble will be either red OR white?
5. You ask a friend to think of a number two to eleven. What is the probability that his number will be 5?
6. Each of letters in the word OPPORTUNITIES are on separate cards, face down on the table. If you pick a card at random, what is the probability that its letter will be O or I?
7. You roll a SIX sided die. What is the probability that the value of the roll will be six?
8. A bag contains 6 purple sticks, 2 orange sticks, and 4 black sticks and you ask a friend to pick one without looking. What is the probability that the stick will be purple?
9. You think of a number from the first thirty negative integers. What is the probability that the integer chosen will be divisible by 5?
10. When a six sided die is rolled then what is the probability that the number rolled will be 4?



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Topic : Probability Word Problems- Worksheet 3

What is the probability?

1. Mike is playing cards with his sister when he draws a card from a pack of 35 cards numbered from 1 to 35. What is the probability of drawing a number that is divisible by 5?
2. Each of the letters in the word CALCULATOR are on separate cards, face down on the table. If you pick a card at random, what is the probability that its letter will be C or L?
3. A magician showed a magic trick where he picked one card from a standard deck. Determine what the probability is that the card will be a red color queen card?
4. A bag contains fifteen red balls, twelve pink balls, and eight yellow balls. You pick one without looking. What is the probability that the balls will be either yellow OR pink?
5. You ask a friend to think of a number from two to twelve. What is the probability that his number will be 4?
6. Each of letters in the word MAGICIAN are on separate cards, face down on the table. If you pick a card at random, what is the probability that its letter will be I or M?
7. You roll a SIX sided die. What is the probability that the value of the roll will be four?
8. A bag contains 3 green marbles, 5 blue marbles, and 8 red marbles and you ask a friend to pick one without looking. What is the probability that the marbles will be green?
9. You think of a number from the first twenty positive integers. What is the probability that the integer chosen will be divisible by 4?
10. When a six sided die is rolled then what is the probability that the number rolled will be two?



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Topic : Probability Word Problems- Worksheet 4

What is the probability?

1. Jose is playing cards with his friend when he draws a card from a pack of 40 cards numbered from 1 to 40. What is the probability of drawing a number that is a square?
2. Each of the letters in the word GEOMETRY are on separate cards, face down on the table. If you pick a card at random, what is the probability that its letter will be E or R?
3. A magician showed a magic trick where he picked one card from a standard deck. Determine what the probability is that the card will be a black color ace card?
4. A bag contains fourteen yellow balls, two violet balls, and nine red balls. You pick one without looking. What is the probability that the marble will be either yellow OR violet?
5. You ask a friend to think of a number from nine to thirty. What is the probability that his number will be 13?
6. Each of letters in the word CARDAMOM are on separate cards, face down on the table. If you pick a card at random, what is the probability that its letter will be D or A?
7. You roll a SIX sided die. What is the probability that the value of the roll will be three?
8. A bag contains 6 green caps, 7 blue caps, and 9 red caps and you ask a friend to pick one without looking. What is the probability that the cap will be green?
9. Jack think of a number from the first ten positive integers. What is the probability that the integer chosen will be divisible by 7?
10. When a six sided die is rolled then what is the probability that the number rolled will be five?



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Topic : Probability Word Problems- Worksheet 5

What is the probability?

1. Rick is playing cards with John when he draws a card from a pack of 40 cards numbered from 1 to 50. What is the probability of drawing a number that is a square?
2. Each of the letters in the word REFERENCE are on separate cards, face down on the table. If you pick a card at random, what is the probability that its letter will be E or C?
3. A magician showed a magic trick where he picked one card from a standard deck. Determine what the probability is that the card will be a jack card?
4. A bag contains thirteen blue sticks, five pink sticks, and nine red sticks. You pick one without looking. What is the probability that the stick will be either blue OR red?
5. Andrew ask a friend to think of a number from six to fifteen. What is the probability that his number will be 7?
6. Each of letters in the word SOLUTION are on separate cards, face down on the table. If you pick a card at random, what is the probability that its letter will be S or T?
7. You roll a SIX sided die. What is the probability that the value of the roll will be two?
8. A bag contains 5 green shirts, 9 blue shirts, and 10 red shirts and you ask a friend to pick one without looking. What is the probability that the shirt will be green?
9. Mandy think of a number from the first twenty positive integers. What is the probability that the integer chosen will be divisible by 6?
10. When a six sided die is rolled then what is the probability that the number rolled will be three?

