WORKSHEET: Probability word problems

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?

Fraction(simplest form): Decimal: Percentage:

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?

Fraction(simplest form): Decimal: Percentage:

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?

Fraction(simplest form): Decimal: Percentage:

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?

Fraction(simplest form): Decimal: Percentage:

5. You ask a friend to think of a number two to eleven. What is the probability that his number will be 5?

Fraction(simplest form): Decimal: Percentage:

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?

Fraction(simplest form): Decimal: Percentage:

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7. You roll a SIX sided die. What is the probability that the value of the roll will be six?

Fraction(simplest form): Decimal: Percentage:

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?

Fraction(simplest form): Decimal: Percentage:

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?

Fraction(simplest form): Decimal: Percentage:

10. When a six sided die is rolled then what is the probability that the number rolled will be 4?

Fraction(simplest form): Decimal: Percentage:

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