Name _____

Date _____

Probability of a Chance Event - Guided Lesson Explanation

Explanation#1

There are 7 possible outcomes because there are 7 marbles.

The Probability of 2 gray = $\frac{2}{7}$ = 28.5% The Probability of 1 gray = $\frac{1}{7}$ = 14.3%

The Probability of 4 black = $\frac{4}{7}$ = 57.1%

If the value is 50% or greater, the value is closer to 1. Otherwise if it is less than 50%, it is closer to 0.

White marble: Closer to 0 Gray marble: Closer to 0

Black marble: Closer to 1

Explanation#2

A die has 6 sides, numbered 1, 2, 3, 4, 5, and 6.

The chance of rolling any the numbers above $=\frac{1}{6}$

Answer as a decimal. Then convert answer to a percentage.

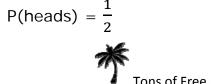
 $\frac{1}{6} = 0.1666.... = 16.66...\%$

Round to the nearest tenth. To the nearest tenth, P(3) = 16.7%

Explanation#3

The probability is the number of favorable outcomes out of the number of possible outcomes.

Flipping a coin has two possibilities: heads or tails.



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