PROBABILITY

What is probability?

Probability is the measure of how likely an event is.

Probability = $\dfrac{\text{Total ways a specific outcome will happen}}{\text{Total number of possible outcomes}}$

The probability of event A is the number of ways event A can occur divided by the total number of possible outcomes.

*Examp...

PREVIEW

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The **po...**

Use the formula to determine the **probability** of landing on each color:

Probabilities				
	P(yellow) =	$\dfrac{\text{Number of chances to land on yellow}}{\text{total number of colors}}$	=	$\dfrac{1}{4}$
	P(blue) =	$\dfrac{\text{Number of chances to land on blue}}{\text{total number of colors}}$	=	$\dfrac{1}{4}$
	P(green) =	$\dfrac{\text{Number of chances to land on green}}{\text{total number of colors}}$	=	$\dfrac{1}{4}$
	P(red) =	$\dfrac{\text{Number of chances to land on red}}{\text{total number of colors}}$	=	$\dfrac{1}{4}$

Try This!

1. A glass jar contains 6 red, 5 green, 8 blue and 3 yellow marbles. If a single marble is chosen at random from the jar, what is the probability of choosing a red marble? a green marble? a blue marble? a yellow marble?

2. A single 6-sided die is rolled. What is the probability of each outcome?