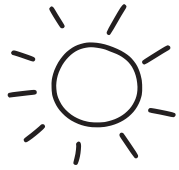


Name:

Date:



Weather Simulation



Understanding Probability and Weather Simulation

1. Introduction:

- Today, we will simulate weather using a coin toss to understand probability better. Probability helps us predict how likely something is to happen.

2. Probability and Coin Toss:

- When we toss a fair coin, there's a 50% chance it will land on heads and a 50% chance it will land on tails. This is because there are two sides of the coin, and they are equally likely to come up.

Probability is the likelihood of something happening. It helps us predict how likely it is for an event to occur.

Simulation means pretending or acting out something that might happen in real life.

Weather Simulation Activity

1. Materials Needed:

- Fair coin
- Worksheet printout
- Pencil or pen

2. Instructions:

- Step 1: Toss the Coin**
 - Toss the coin 10 times.
 - Each time you toss the coin, record whether it lands on heads (H) or tails (T) in the table below.
- Step 2: Predict the Weather**
 - For each toss, predict whether the weather will be sunny (heads) or rainy (tails).
 - Record your predictions in the table.

Toss Number	Coin Outcome (Heads or Tails)	Predicted Weather
1		
2		
3		
4		
5		
Today's weather prediction		