





Understanding the Outcome of a Chance Event

Introduction This worksheet is designed to help your child explore and understand the concept of chance and probability in everyday situations. It will help them recognize events as certain, possible, or impossible and develop an understanding of outcomes based on chance.

Activity 1: Is it Certain, Possible, or Impossible?

Instructions: For each statement below, ask your child to decide whether it is **certain**, **possible**, or **impossible**, and circle the correct answer.

Statement		Certain	Possible	Impossible
The Sun will rise tomorrow		✓		
It will rain Jellybeans tomorrow				
A coin will land on heads when tossed				
A dice roll will show a number less than 7				

Activity 2: Predicting Outcomes

Use a coin and a dice to complete this activity. Write down your predictions and then test them!

1. Toss a coin 10 times. How many times do you think it will land on heads?
 - a. Your Prediction: _____
 - b. Actual Outcome: _____

2. Roll a dice 10 times. How many times do you think it will land on 3?
 - a. Your Prediction: _____
 - b. Actual Outcome: _____

3. Do the actual outcomes match your predictions? Discuss with your child why they might not.

Activity 3: Create Your Own Chance Events

Instructions: Ask your child to think of their own examples of events that are certain, possible, or impossible. Write them down in the table below.

Event	Certain	Possible	Impossible
Eg., Breakfast will be eaten today			

Reflection Questions

- How did your child respond to discussing chance events?
- Were they surprised by any outcomes?
- Encourage them to explain their reasoning as they complete the activities to strengthen their understanding.

Conclusion:

Reinforce these concepts during everyday activities, like asking, “What do you think the chance is of seeing a red car on our walk?” or “Will it be sunny or rainy tomorrow?”