

EXPERIENTIAL LEARNING ACTIVITY**SUBJECT: MATHEMATICS****GRADE: 8**

CHAPTER	Chapter 5 (Data handling)																																	
TOPIC/ CONCEPT	Probability																																	
NAME OF THE ACTIVITY	To find the probability .Experimentally students can throw a die 20 times and note down the number of times the numbers 1, 2, 3, 4, 5, 6 comes up. Students will record the observation in the form of table.																																	
TYPE OF ACTIVITY	Individual activity																																	
Learning outcomes	Students will understand the concept of probability in a play way method.																																	
PROCEDURE/ME TODOLOGY	A short introductory p related to the concept of probability will be shown Materials required: a dice Procedure Throw a dice 20 times and note down the number of times the numbers 1, 2, 3, 4, 5 and 6 comes up and so on.... Individually students will record the observation in the form of table. <table><tr><th>Number of times a die is thrown</th><th>Number of time scores turn up</th><th>Number of time scores turn up</th><th>Number of time scores turn up</th><th>Number of time scores turn up</th><th>Number of time scores turn up</th><th>Number of time scores turn up</th></tr><tr><td>20</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr><tr><td>30</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>40</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> In this activity student can find Getting an odd number Getting a multiple of 3 Getting an even number Getting a prime number Getting a number less than 3 Therefore on the basis of discussion students define the experimental or empirical probability of happening of the event as follow Probability = $\frac{\text{Favourable outcomes}}{\text{Total number of Outcomes}}$						Number of times a die is thrown	Number of time scores turn up	Number of time scores turn up	Number of time scores turn up	Number of time scores turn up	Number of time scores turn up	Number of time scores turn up	20	1	2	3	4	5	6	30							40						
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Activity 2

Objective: Analysis of a text using tabulation and pictorial representation

Material Required: Newspaper cutting, chart paper, sketch pens.

Procedure

1. Select any paragraph from a newspaper (approximately 100 words)
2. Read each and every word carefully and prepare a frequency table for **1-letter words, 2-letter words, 3-letter words, 4-letter words and so on.**

Number of Letters in a Word	Tally Marks	Frequency
1		
2		
3		
4		
5		

Observations:

1. What is the most frequently used letter?
2. What is the least frequently-used letter?
3. Compare the frequency of two-letter words, three-letter words, and so on.
4. Make a bar graph and a pie chart for the above table.