

 GRADES 1 to 12 DAILY LESSON LOG	School:		Grade Level:	
	Teacher:		Learning Area:	
	Teaching Dates and Time:		Quarter:	

I. OBJECTIVES	
A. Content Standards	The learner demonstrates understanding of key concepts of random variables and probability distributions.
B. Performance Standards	The learner is able to apply an appropriate random variable for a given real-life problem (such as in decision making and games of chance).
C. Learning Competencies Write the LC code for each	finds the possible values of a random variable.
D. Learning Objectives	finds the possible values of a random variable.
II. CONTENT	finds the possible values of a random variable.
III. LEARNING RESOURCES	
A. References	
1. Teacher's Guide pages	
2. Learner's Materials pages	
3. Textbook pages	
4. Additional Materials from Learning Resource (LR) portal	
B. Other Learning Resources	
IV. PROCEDURES	
A. Reviewing previous lesson or presenting the new lesson (2 mins.) elicit	Begin by introducing the concept of random variables to the class. Explain that a random variable is a variable whose possible values are determined by the outcome of a random event.
B. Establishing a purpose for the lesson (1 min.) Engage	- Begin by introducing the concept of random variables to the class. Explain that a random variable is a variable whose possible values are determined by the outcome of a random event. - Provide examples of random variables, such as the number rolled on a dice, the number of heads flipped in a coin toss, or the temperature on a given day.
C. Presenting examples/ instances of the new lesson Explore (2-5 mins.)	Explain that in order to calculate the probability of a certain event occurring, it is important to first identify the possible values of the random variable.
D. Discussing new concepts and practicing new skills #1 Explain (15 mins.)	Write an example problem on the whiteboard, such as: "If a fair coin is flipped, what are the possible values for the number of heads that can occur?"
E. Discussing new concepts and practicing new skills #2 (10 mins.)	Repeat the process with additional examples, such as rolling a fair dice, drawing a card from a standard deck, or picking a marble from a bag with different colored marbles.

F. Developing mastery (Leads to Formative Assessment 3) (12 mins.) Elaborate	Pass out handouts with practice problems and ask students to work in pairs to solve them. Provide assistance as needed, and circulate around the room to monitor progress. Review the answers as a class and clarify any misunderstandings.
G. Finding practical applications of concepts and skills in daily living (3 mins.)	<i>Ask students to reflect on how they can apply this concept in their daily lives or in real-world scenarios.</i>
H. Making generalizations and abstractions about the lesson (3 mins)	Steps on how to illustrate the Probability Distribution of a Discrete Random Variable 1. Determine first the sample space in the given experiment. 2. Find the possible values of the random variable. 3. Illustrate the probability by assigning Probability values or $P(x)$ to each value of the random variable.
I. Evaluating learning (8 mins)	The 2010 Philippines Census found the chance of a household being a certain size. The data is in the table ("Households by age," 2013). Draw a histogram of the probability distribution.
J. Additional activities for application or remediation (1 min)	Box A and Box B contain 1,2,3,4. Write the probability mass function and draw the histogram of the sum of the sum when one number from each box is taken at a time, with replacement.
V. REMARKS	
VI. REFLECTION	
A. No. of learners who earned 80% on the formative assessment	
B. No. of learners who require additional activities for remediation.	
C. Did the remedial lessons work? No. of learners who have caught up with the lesson.	
D. No. of learners who continue to require remediation	
E. Which of my teaching strategies worked well? Why did these work?	

F. What difficulties did I encounter which my principal or supervisor can help me solve?	
G. What innovation or localized materials did I use/discover which I wish to share with other teachers?	

Prepared by:

Checked by

Teacher

School Head

Observed by:
