

Probability

Description: In this activity, you will use data gathered through Senso Eskwela Pilipinas (SEP) to perform some practice computations on experimental probability.

Materials:

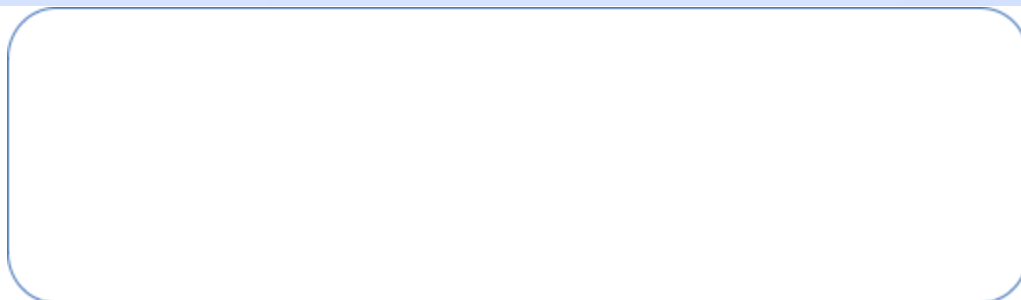
1. A printed copy of this worksheet (if possible, you may also answer the worksheet electronically)
2. Writing materials (pencil, ballpen, colored pens/pencils or crayons)
3. A random sample of Size 20 for Question 30 from the SEP database

The data may be provided by your teacher. Alternatively, you may access the SEP database at mathplusresources.com. You may Login as Student (if your teacher has provided you with a code) or Login as Guest. Go to SEP and click Access Data.

Instructions:

1. Recall that in Question 30 of the SEP survey, you rolled two fair dice. The random sample has size 20; it was generated by randomly selecting 20 respondents of the SEP Survey. Thus, you can think that the experiment of “rolling two fair dice” was repeated 20 times.
2. What makes the task of *rolling two fair dice* a probabilistic experiment? Explain briefly.

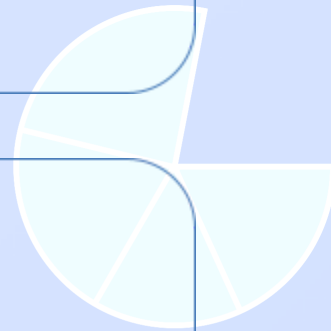
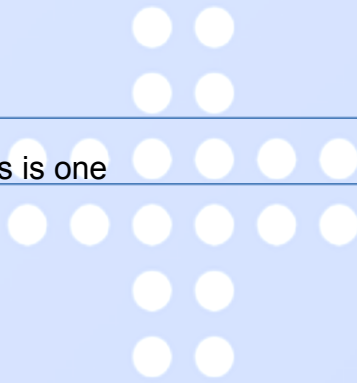
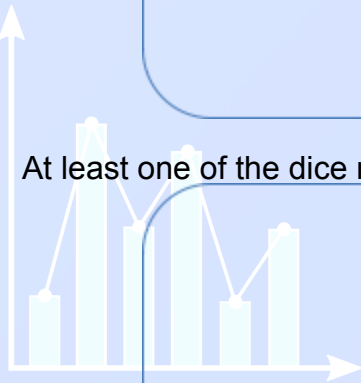
3. One way to describe the likelihood of the outcomes of the probabilistic experiment is the experimental probability. Review and write down the formula experimental probability below:



4. For each of the following events:
- List down the outcomes that satisfy the condition of the event.
 - Compute the experimental probability using the formula.

Both dice rolls are even

At least one of the dice rolls is one



The sum of the dice rolls is six