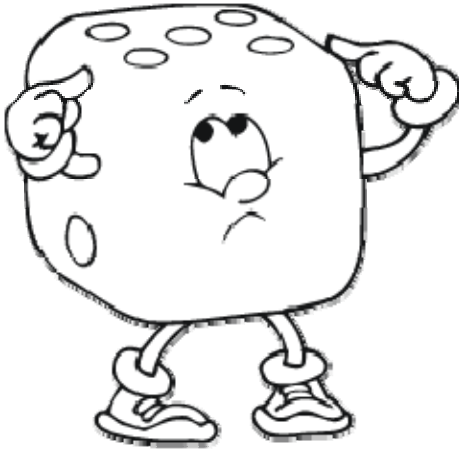Name _____   Date _____

Validating Data Generating Processes - Guided Lesson

Complete the following problems:

1.   Each number on a six sided die has the probability of 0.166 when the dice is rolled.

   a. Mary rolls the dice 3 times in row and each time it lands on the same number. Does this make you question the model of probability for die?

   b. Mary found that she was able to get roll a single die and land on the number 6, 25% of time. When she rolled the die a thousand times she was able to draw this conclusion. Does this make you question the model?

2. A coin is tossed and dice is rolled. Can the probability of getting a tail and chance of getting number 6 be used as a model when the dice and coin is tossed?