



Probability Random Variables - Experiment to Good Random Variable

1

Experiment: Measure daily rainfall for one day. Which of these could be the random variable X?

Which of these is a suitable random variable X for the experiment?

A Rainfall amount (mm)

B Probability that it rains tomorrow

2

Experiment: Flip coins until the first Head. Which of these could be the random variable X?

Which of these is a suitable random variable X for the experiment?

A Number of flips required

B Probability the first Head is on the third flip

3

Experiment: flip 4 coins. Which of these could be the random variable X?

Which of these is a suitable random variable X for the experiment?

A The number of heads

B The probability of getting exactly 2 heads

4

Experiment: roll two dice. Which of these could be the random variable X?

Which of these is a suitable random variable X for the experiment?

A The sum of the two dice

B The probability of rolling a sum of 7

5

Experiment: spin a spinner 3 times. Which of these could be the random variable X?

Which of these is a suitable random variable X for the experiment?

A The probability of landing on red

B The number of times it lands on red

6

Experiment: draw 3 cards. Which of these could be the random variable X?

Which of these is a suitable random variable X for the experiment?

A The probability of drawing exactly 2 hearts

B The number of hearts drawn

7

Experiment: Answer a 10-question quiz. Which of these could be the random variable X?

Which of these is a suitable random variable X for the experiment?

A Probability of scoring at least 8

B Number of correct answers

8

Experiment: Draw one card. Which of these could be the random variable X?

Which of these is a suitable random variable X for the experiment?

A Number of points awarded by the card

B Whether the card is red