10) Multiple-choice activity about the previous text ""Fundamentals of Statistics and Probability That You Should Not Miss".

1. What is the definition of probability?

a) The certainty of an event occurring

b) The likelihood of an event happening

c) The randomness of an event

d) The impossibility of an event occurring

2. What range do probability values typically fall within?

a) 0 to 100

b) -1 to 1

c) 0 to 10

d) 0 to 1

3. What is a common term used to describe probabilities?

a) Options

b) Decisions

c) Likelihood

d) Certainties

4. How do manufacturers use probability in their decision-making?

a) To guarantee product success

b) To determine warranty lengths

c) To maximize customer satisfaction

d) To minimize production costs

5. What is the law of large numbers?

a) It states that as the number of trials increases, the observed proportion will converge on the expected probability.

b) It states that the probability of an event is always 1.

c) It states that as the number of trials increases, the observed proportion will diverge from the expected probability.

d) It states that probabilities are not affected by the number of trials.