

DISCRETE VS CONTINUOUS

If all the possible values of a variable can be listed or counted we say that the variable is discrete.

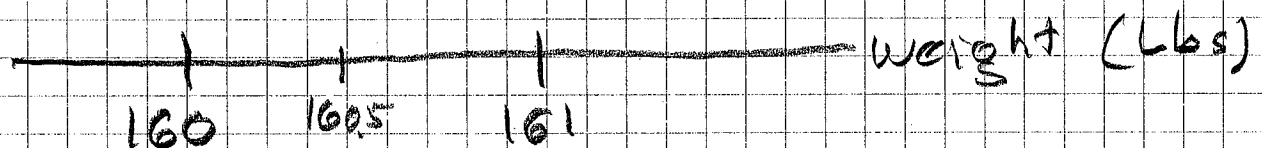
Example: x is the numbers on the sides of a die.

example: x is the number of students in your school.

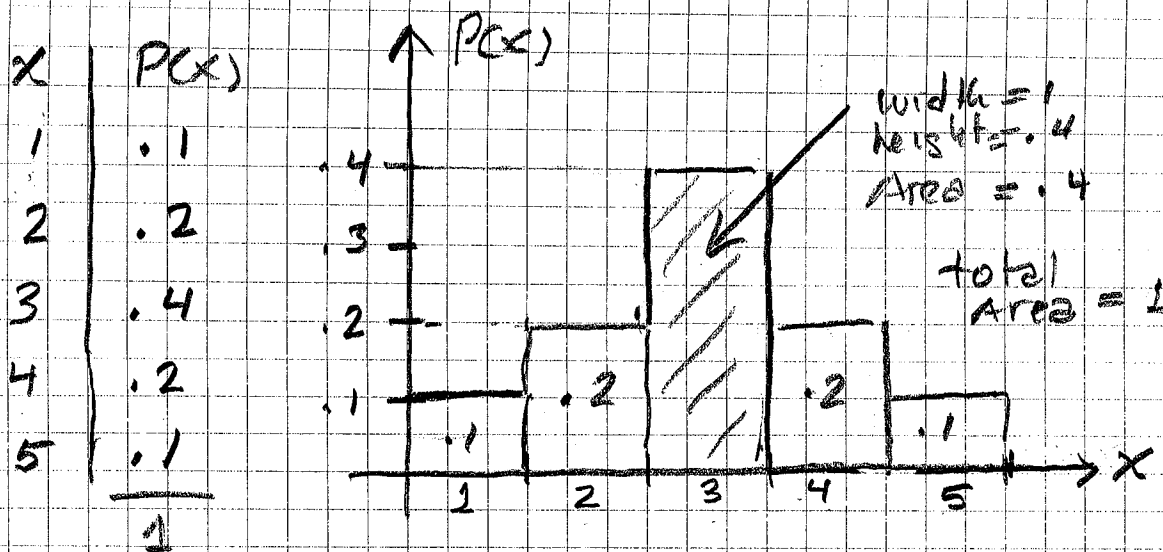
Example: x is the number of hairs in your body.

If all the possible values of a variable cannot be listed or counted, we say that the variable is continuous.

Example: x is your weight



The probability distribution of a discrete variable is a table (or a graph or formula) that specifies the values of x and its corresponding probabilities.



Discrete, Many values

CONTINUOUS

