Discrete Functions

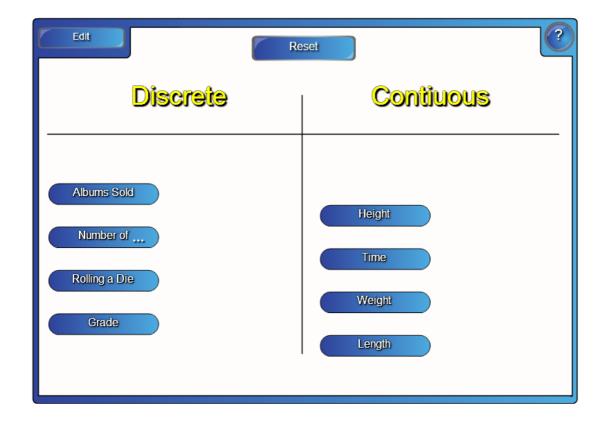
A functions made up of separate points that are not connected

Sequence

Discrete

Variables are only Natural numbers 1, 2, 3, 4...

Continuous



Explicit Formula

a Formula that represents ANY term in the sequence relative to the term number

$$y = 3x + 4
f(x) = 3x + 4
t_n = 3n + 4$$

Determine the next 3 terms of the sequence

Recursive Formula

A formula where each term of a sequence is generated from preceding terms

$$\frac{1}{2}$$
 $\frac{1}{2}$ $\frac{1}$

pg. 360 # 1, 3, 5, 6

pg. 370 # 1, 3, 4, 9