

1.6 Recall:

1. Define arithmetic sequence.

- A mathematical sequence s. th. the difference betw. consecutive terms is constant, CONSTANT 1st Difference.
- Add/Sub a constant rate

2. What is the difference between each of the following?

$$f(x) = 8(10)^{x-1} \quad \text{and} \quad f(x) = 0.8(10)^x$$

x	f(x)
0	8/10 = .8
1	8
2	80
3	800
4	8000

Annotations:

- Started at 8 emails (points to x=1, f(x)=8)
- rate of change (points to the growth factor 10 in the first function)
- Negative (points to the growth factor 0.8 in the second function)
- y-int (points to x=0, f(x)=0.8)
- rate of change (points to the growth factor 10 in the second function)