

Arithmetic Sequences

DAY 3

1. Explicit Formula

2. Recursive Formula

3. Given a sequence.
Write the first terms.

4. Given information.
Write the sequence.

Information/Steps

Example 1: Write the explicit formula

$$a_n = 80, 76, 72, 68, 64$$

Information/Steps

Example 2: Write the recursive formula

$$a_n = 80, 76, 72, 68, 64$$

Information/Steps

Example 3: Write the first 5 terms

$$a_n = 9 + 4(n - 1)$$

Information/Steps

Example 4: Write the explicit formula

$$a_{19} = 48, d = 3$$

Geometric Sequences

DAY 3

1. Explicit Formula

2. Recursive Formula

3. Given a sequence.
Write the first terms.

4. Given information.
Write the sequence.

Information/Steps

Example 1: Write the explicit formula

$$a_n = 3, 6, 12, 24, 48$$

Information/Steps

Example 2: Write the recursive formula

$$a_n = -512, 128, -32, 8, -2$$

Information/Steps

Example 3: Write the first 5 terms

$$a_n = 3(4)^{n-1}$$

Information/Steps

Example 4: Write the explicit formula

$$a_4 = 12, r = 2$$