등차수열의 일반항 (General Term of Arithmetic Sequence)

Property			

# Property

첫째항이 a

# Property

첫째항이 a, 공차가 d인

#### **Property**

#### **Property**

첫째항이 a, 공차가 d인 등차수열의 일반항  $a_n$ 은

 $a_n$ 

#### **Property**

$$a_n = a$$

#### **Property**

$$a_n = a + (n-1)$$

#### **Property**

$$a_n = a + (n-1)d$$

$$a_n = a + (n-1)d$$

$$a_1 =$$

$$a_n = a + (n-1)d$$

$$a_1 = a$$

$$a_n = a + (n-1)d$$

$$a_1 = a$$

$$a_1$$

$$a_n = a + (n-1)d$$

$$a_1 = a$$

$$a_1 = a$$

$$a_n = a + (n-1)d$$

$$a_1 = a$$

$$a_1 = a + 0 \times d$$

$$a_n = a + (n-1)d$$

$$a_1 = a$$

$$a_2 =$$

$$a_1 = a + 0 \times d$$

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_2 = a_1 +$ 

$$a_1 = a + 0 \times d$$

$$a_n = a + (n-1)d$$

$$\begin{array}{rcl} a_1 & = & a \\ a_2 & = & a_1 + d \end{array}$$

$$a_1 = a + 0 \times d$$

$$a_n = a + (n-1)d$$

$$\begin{array}{rcl} a_1 & = & a \\ a_2 & = & a_1 + d & = \end{array}$$

$$a_1 = a + 0 \times d$$

$$a_n = a + (n-1)d$$

$$\begin{array}{rcl}
a_1 & = & a \\
a_2 & = & a_1 + d & = & a + 
\end{array}$$

$$a_1 = a + 0 \times d$$

$$a_n = a + (n-1)d$$

$$\begin{array}{rcl} a_1 & = & a \\ a_2 & = & a_1 + d & = & a + d \end{array}$$

$$a_1 = a + 0 \times d$$

$$a_n = a + (n-1)d$$

$$\begin{array}{rcl} a_1 & = & a \\ a_2 & = & a_1 + d & = & a + d \end{array}$$

$$\begin{array}{rcl} a_1 & = & a+0\times d \\ a_2 & = & \end{array}$$

$$a_n = a + (n-1)d$$

$$\begin{array}{rcl} a_1 & = & a \\ a_2 & = & a_1 + d & = & a + d \end{array}$$

$$\begin{array}{rcl} a_1 & = & a+0 \times d \\ a_2 & = & a+ \end{array}$$

$$a_n = a + (n-1)d$$

$$\begin{array}{rcl} a_1 & = & a \\ a_2 & = & a_1 + d & = & a + d \end{array}$$

$$a_1 = a + 0 \times d$$
  
 $a_2 = a + 1 \times d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$

$$a_2 = a_1 + d = a + d$$

$$a_1 = a + 0 \times d$$

$$a_2 = a + 1 \times d$$

$$a_3 =$$

$$a_n = a + (n-1)d$$

$$\begin{array}{rcl} a_1 & = & a \\ a_2 & = & a_1 + d & = & a + d \end{array}$$

$$a_1 = a + 0 \times d$$

$$a_2 = a + 1 \times d$$

$$a_3 = a_2 +$$

$$a_n = a + (n-1)d$$

$$\begin{array}{rcl} a_1 & = & a \\ a_2 & = & a_1 + d & = & a + d \end{array}$$

$$a_1 = a + 0 \times d$$

$$a_2 = a + 1 \times d$$

$$a_3 = a_2 + d$$

$$a_n = a + (n-1)d$$

$$a_1 = a$$

$$a_1 = a + 0 \times d$$

$$a_2 = a_1 + d = a + d$$

$$a_2 = a + 1 \times d$$

$$a_3 = a_2 + d =$$

$$a_n = a + (n-1)d$$

$$\begin{array}{rcl} a_1 & = & a \\ a_2 & = & a_1 + d & = & a + d \end{array}$$

$$a_1 = a + 0 \times d$$

$$a_2 = a + 1 \times d$$

$$a_3 = a_2 + d = (a+d)$$

$$a_n = a + (n-1)d$$

$$\begin{array}{rcl} a_1 & = & a \\ a_2 & = & a_1 + d & = & a + d \end{array}$$

$$a_1 = a + 0 \times d$$

$$a_2 = a + 1 \times d$$

$$a_3 = a_2 + d = (a+d) + d$$

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   $a_3 = a_2 + d = (a + d) + d =$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a +$ 

$$a_n = a + (n-1)d$$

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 =$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a +$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a + 0 \times d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 +$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d =$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d)$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d =$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a +$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 2d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 +$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d =$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d)$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d =$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a +$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 =$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_1 + a_2 + a_3 + a_4 + a_5 = a + 4 \times d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 +$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = a + 3d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d)$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d =$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a +$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a_6$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a + d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a + 5 \times d$ 

$$a_n = a + (n-1)d$$

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a + 5 \times d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a + 5 \times d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a + 5 \times d$   
 $a_7 = a_6 + d =$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a + 5 \times d$   
 $a_7 = a_6 + d = (a + 5d)$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a + 5 \times d$   
 $a_7 = a_6 + d = (a + 5d) + d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a + 5 \times d$   
 $a_7 = a_6 + d = (a + 5d) + d =$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a + 5 \times d$   
 $a_7 = a_6 + d = (a + 5d) + d = a +$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a + 5 \times d$   
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a + 5 \times d$   
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$   $a_7 =$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a + 5 \times d$   
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$   $a_7 = a +$ 

$$a_n = a + (n-1)d$$

$$a_n = a + (n-1)d$$

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_1 = a + 0 \times d$ 
 $a_2 = a_1 + d = a + d$ 
 $a_2 = a + 1 \times d$ 
 $a_3 = a_2 + d = (a + d) + d = a + 2d$ 
 $a_3 = a_2 + d = (a + 2d) + d = a + 2d$ 
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 
 $a_4 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$ 
 $a_7 = a_7 + a_8 = a_7 + a_8 = a_8 + a_8 = a_8 + a_8 +$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_1 = a + 0 \times d$ 
 $a_2 = a_1 + d = a + d$ 
 $a_2 = a + 1 \times d$ 
 $a_3 = a_2 + d = (a + d) + d = a + 2d$ 
 $a_3 = a_2 + d = (a + 2d) + d = a + 2d$ 
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 
 $a_4 = a_3 + d = (a + 3d) + d = a + 4d$ 
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$ 
 $a_7 = a_7 + d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_1 = a + 0 \times d$ 
 $a_2 = a_1 + d = a + d$ 
 $a_2 = a + 1 \times d$ 
 $a_3 = a_2 + d = (a + d) + d = a + 2d$ 
 $a_3 = a_2 + d = (a + 2d) + d = a + 2d$ 
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 
 $a_4 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$ 
 $a_7 = a_7 + d = a_8 = a_7 + d = a_8$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_1 = a + 0 \times d$ 
 $a_2 = a_1 + d = a + d$ 
 $a_2 = a + 1 \times d$ 
 $a_3 = a_2 + d = (a + d) + d = a + 2d$ 
 $a_3 = a_2 + d = (a + 2d) + d = a + 3d$ 
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$ 
 $a_7 = a_7 + d = (a + 6d)$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_1 = a + 0 \times d$ 
 $a_2 = a_1 + d = a + d$ 
 $a_2 = a + 1 \times d$ 
 $a_3 = a_2 + d = (a + d) + d = a + 2d$ 
 $a_3 = a_2 + d = (a + 2d) + d = a + 3d$ 
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$ 
 $a_7 = a_7 + d = (a + 6d) + d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_1 = a + 0 \times d$ 
 $a_2 = a_1 + d = a + d$ 
 $a_2 = a + 1 \times d$ 
 $a_3 = a_2 + d = (a + d) + d = a + 2d$ 
 $a_3 = a_2 + d = (a + 2d) + d = a + 3d$ 
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_6 = a_6 + d = (a + 5d) + d = a + 6d$ 
 $a_7 = a_6 + d = (a + 6d) + d = a + 6d$ 
 $a_8 = a_7 + d = (a + 6d) + d = a + 6d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_1 = a + 0 \times d$ 
 $a_2 = a_1 + d = a + d$ 
 $a_2 = a + 1 \times d$ 
 $a_3 = a_2 + d = (a + d) + d = a + 2d$ 
 $a_3 = a_2 + d = (a + 2d) + d = a + 3d$ 
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_6 = a_6 + d = (a + 5d) + d = a + 6d$ 
 $a_7 = a_6 + d = (a + 6d) + d = a + 6d$ 
 $a_8 = a_7 + d = (a + 6d) + d = a + 6d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_1 = a + 0 \times d$ 
 $a_2 = a_1 + d = a + d$ 
 $a_2 = a + 1 \times d$ 
 $a_3 = a_2 + d = (a + d) + d = a + 2d$ 
 $a_3 = a_2 + d = (a + 2d) + d = a + 3d$ 
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_6 = a_6 + d = (a + 5d) + d = a + 6d$ 
 $a_7 = a_6 + d = (a + 6d) + d = a + 7d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
  $a_1 = a + 0 \times d$   
 $a_2 = a_1 + d = a + d$   $a_2 = a + 1 \times d$   
 $a_3 = a_2 + d = (a + d) + d = a + 2d$   $a_3 = a + 2 \times d$   
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$   $a_4 = a + 3 \times d$   
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$   $a_5 = a + 4 \times d$   
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$   $a_6 = a + 5 \times d$   
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$   $a_7 = a + 6 \times d$   
 $a_8 = a_7 + d = (a + 6d) + d = a + 7d$   $a_8 =$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_1 = a + 0 \times d$ 
 $a_2 = a_1 + d = a + d$ 
 $a_2 = a + 1 \times d$ 
 $a_3 = a_2 + d = (a + d) + d = a + 2d$ 
 $a_3 = a_2 + d = (a + 2d) + d = a + 3d$ 
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$ 
 $a_7 = a_6 + d = (a + 6d) + d = a + 7d$ 
 $a_8 = a_7 + d = (a + 6d) + d = a + 7d$ 
 $a_8 = a_8 + 6d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_1 = a + 0 \times d$ 
 $a_2 = a_1 + d = a + d$ 
 $a_2 = a + 1 \times d$ 
 $a_3 = a_2 + d = (a + d) + d = a + 2d$ 
 $a_3 = a_2 + d = (a + 2d) + d = a + 3d$ 
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$ 
 $a_7 = a_6 + d = (a + 6d) + d = a + 7d$ 
 $a_8 = a_7 + d = (a + 6d) + d = a + 7d$ 
 $a_8 = a_8 + d$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_1 = a + 0 \times d$ 
 $a_2 = a_1 + d = a + d$ 
 $a_2 = a + 1 \times d$ 
 $a_3 = a_2 + d = (a + d) + d = a + 2d$ 
 $a_3 = a_2 + d = (a + 2d) + d = a + 3d$ 
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$ 
 $a_7 = a_6 + d = (a + 6d) + d = a + 7d$ 
 $a_8 = a_7 + d = (a + 6d) + d = a + 7d$ 
 $a_8 = a_8 + d =$ 

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_1 = a + 0 \times d$ 
 $a_2 = a_1 + d = a + d$ 
 $a_2 = a + 1 \times d$ 
 $a_3 = a_2 + d = (a + d) + d = a + 2d$ 
 $a_3 = a_2 + d = (a + 2d) + d = a + 3d$ 
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$ 
 $a_7 = a_6 + d = (a + 6d) + d = a + 7d$ 
 $a_8 = a_7 + d = (a + 6d) + d = a + 7d$ 
 $a_9 = a_8 + d = (a + 7d) + d = a + 8d$ 

$$a_n = a + (n-1)d$$

$$a_n = a + (n-1)d$$

$$a_n = a + (n-1)d$$

$$a_1 = a$$
 $a_1 = a + 0 \times d$ 
 $a_2 = a_1 + d = a + d$ 
 $a_2 = a + 1 \times d$ 
 $a_3 = a_2 + d = (a + d) + d = a + 2d$ 
 $a_3 = a_2 + d = (a + 2d) + d = a + 3d$ 
 $a_4 = a_3 + d = (a + 2d) + d = a + 3d$ 
 $a_5 = a_4 + d = (a + 3d) + d = a + 4d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_6 = a_5 + d = (a + 4d) + d = a + 5d$ 
 $a_7 = a_6 + d = (a + 5d) + d = a + 6d$ 
 $a_7 = a_6 + d = (a + 6d) + d = a + 7d$ 
 $a_8 = a_7 + d = (a + 6d) + d = a + 7d$ 
 $a_8 = a_8 + d = (a + 7d) + d = a + 8d$ 
 $a_9 = a_8 + d = (a + 7d) + d = a + 8d$ 
 $a_9 = a_8 + d = (a + 7d) + d = a + 8d$ 
 $a_9 = a_8 + d = (a + 7d) + d = a + 8d$ 
 $a_9 = a_8 + d = (a + 7d) + d = a + 8d$ 
 $a_9 = a_8 + d = (a + 7d) + d = a + 8d$ 
 $a_9 = a_8 + d = (a + 7d) + d = a + 8d$ 
 $a_9 = a_8 + 8d$ 

$$a_n = a + (n-1)d$$

$$a_n = a + (n-1)d$$

#### Github:

https://min7014.github.io/math20200627001.html

Click or paste URL into the URL search bar, and you can see a picture moving.