

Recursive Formula	Explicit Formula
$A_n = A_{n-1} \cdot r$	$A_n = A_1 \cdot r^{n-1}$

Complete the table:

	First Term $A_1$	Common Ratio $r = \underline{\hspace{1cm}}$	Recursive Formula $A_n = A_1 \cdot r$	Explicit Formula $A_n = A_1 \cdot r^{n-1}$	Find
1) 2, 6, 18, 54, ...					$A_8$
2) 1, 3, 9, 27, ...					$A_{12}$
3) 6, 12, 24, 48, ...					$A_{10}$
4) 1000, 100, 10, 1, ...					$A_5$
5) 200, 50, 12.5, 3.125					$A_7$
6) 1, -4, 16, -64, ...					$A_{11}$
7) 2, 10, 50, ...					$A_{10}$
8) 9, 3, 1, 1/3, ...					$A_5$
9) -6, 12, -24, ...					$A_6$
10) 48, 32, 64/3, 128/9					$A_4$

Recursive Formula	Explicit Formula
$A_n = A_{n-1} + d$	$A_n = dn + a_0$

Complete the table:

	First Term $A_1$	Common Difference $d = \underline{\hspace{1cm}}$	Recursive Formula $A_n = A_{n-1} + d$	Explicit Formula $A_n = d \cdot n + A_0$	Find
<b>11)</b> 7, 14, 21, 28, ...					$A_8$
<b>12)</b> 101, 111, 121, 131, ...					$A_{12}$
<b>13)</b> $\frac{1}{2}$ , 1, $\frac{3}{2}$ , 2, ...					$A_{10}$
<b>14)</b> 12, 16, 20, 24, ...					$A_5$
<b>15)</b> 9, 7, 5, 3, , ...					$A_7$
<b>16)</b> 1, -2, -5, -8					$A_{11}$
<b>17)</b> 24, 36, 48, 60					$A_{10}$
<b>18)</b> 6, 12, 18, 24					$A_5$
<b>19)</b> $\frac{1}{3}$ , $\frac{2}{3}$ , 1, $\frac{4}{3}$ , ...					$A_6$
<b>20)</b> $\frac{1}{4}$ , $\frac{1}{2}$ , $\frac{3}{4}$ , 1, ...					$A_4$

