

1. $a_1 =$ $r =$ $n =$	
2. $a_1 =$ _____ $r =$ _____	3. $a_1 =$ _____ $r =$ _____
4. $a_1 =$ _____ $r =$ _____	5. $a_1 =$ _____ $r =$ _____
10. $a_1 =$ $r =$ $n =$	
11. $a_1 =$ _____ $r =$ _____ $a_n =$ _____	12. $a_1 =$ _____ $r =$ _____ $a_n =$ _____

<p>19. $a_1 =$ $r =$ $n =$</p>	<p>20. $a_1 =$ $r =$ $n =$</p>
<p>23. $a_1 =$ _____ $r =$ _____</p>	<p>27. $a_1 =$ _____ $r =$ _____</p>
<p>42. $a_1 =$ _____ $r =$ _____ $a_n =$ _____</p>	<p>43. $a_1 =$ _____ $r =$ _____ $a_n =$ _____</p>
<p>47. $a_1 =$ _____ $r =$ _____ $a_n =$ _____</p>	<p>48. $a_1 =$ _____ $r =$ _____ $a_n =$ _____</p>

1. 2046 ancestors	
2. $a_n = 2(2)^{n-1}$	3. $a_n = 18\left(\frac{1}{3}\right)^{n-1}$
4. $a_n = -4(-4)^{n-1}$	5. $a_n = \frac{4}{3}(3)^{n-1}$
10. 1023 dominoes	
11. 4095	12. 7.96875
19. 25	20. 162
23. $a_n = (-3)(-2)^{n-1}$	27. $a_n = 8\left(\frac{1}{4}\right)^{n-1}$
42. 53.9918	43. 31.9375
47. 2188	48. 255