

Maths Workout - Algebra & Problem Solving

Topic 14 - Sequences 1				
Target 1	Target 2	Target 3	Target 4	Target 5
<i>Enter missing terms in a sequence with a common difference</i>	<i>Enter missing terms in a sequence with a common difference</i>	<i>Enter missing terms in a sequence with next term rule of the form: $U_{n+1} = 3U_n + 1, 3(U_n + 1), U_n/3 + 1, (U_n + 1)/3$</i>	<i>Enter missing terms in a sequence with a miscellaneous next term rule, including a Fibonacci sequence</i>	<i>Enter missing terms in a sequence with a miscellaneous next term rule, including a Fibonacci sequence</i>
1. Add the next two terms to an increasing sequence of non-negative integers with a common difference	1. Add the next two terms to an decreasing sequence of integers with a common difference	1. Complete a sequence given the next term rule of the form $U_{n+1} = 3U_n + 1, 3(U_n + 1), U_n/3 + 1, (U_n + 1)/3$	1. Complete a sequence given a term and next term rule: miscellaneous	1. Add a missing term to a sequence of integers
2. Add missing terms to an increasing sequence of non-negative integers with a common difference	2. Add missing terms to a decreasing sequence of integers with a common difference	2. Complete a sequence given the next term rule of the form $U_{n+1} = 3U_{n-1}, 3(U_{n-1}), U_n/3 - 1, (U_n - 1)/3$	2. Complete a sequence given the first 1 or 2 terms and next term rule: miscellaneous	2. Add a missing term to a sequence of integers
3. Add the next two terms to an increasing sequence of integers with a common difference	3. Add the next two terms to an increasing or decreasing sequence of integers with a common difference	3. Complete a sequence given the next term rule of the form $U_{n+1} = 3U_n + 1, 3(U_n + 1), U_n/3 + 1, (U_n + 1)/3$	3. Complete a sequence given 1 or 2 terms and next term rule: miscellaneous	3. Add a missing term to a Fibonacci style sequence of integers
4. Add missing terms to an increasing sequence of integers with a common difference	4. Add missing terms to an increasing or decreasing sequence of integers with a common difference	4. Summary task of tasks 1 and 2 with given term in any position	4. Complete a sequence given 1 or 2 terms and next term rule: miscellaneous Fibonacci sequences	4. Add a missing term to a sequence
	5. Add missing terms to an increasing or decreasing sequence of decimal numbers with a common difference	5. Add the next term to a sequence of integers: positive multiplier/divisor	5. Complete a sequence given 1 or 2 terms and a description	5. Add a missing term to a sequence of Roman Numerals
	6. Solve a problem involving a sequence with a common difference	6. Add a missing term to a sequence of integers: positive multiplier/divisor	6. Complete a sequence given 1 or 2 terms and a description: the alphabet	6. Add a missing term to a sequence of Roman Numerals
		7. Add the next term to a sequence of integers: negative multiplier/divisor		
		8. Add a missing term to a sequence of integers: negative multiplier/divisor		
		9. Summary task of Tasks 6 and 8		
		10. Solve a problem involving a sequence given the next term rule		