Sequence Vocab

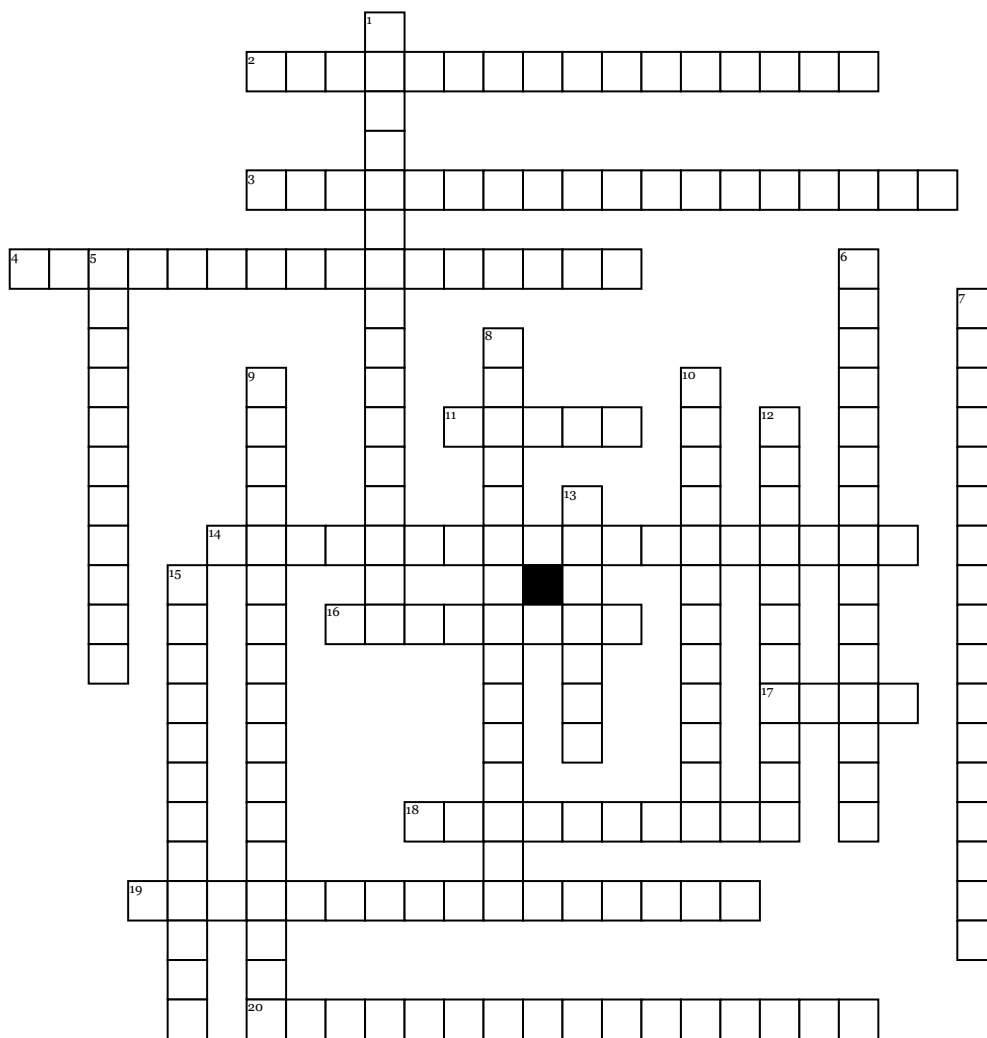## Across

2. a arithmetic series that ends
3. where each term equals the sum of the preceded term and a constant
4. show how to calculate 'a' based on the previous term
11. sub scripted number, describes the place of a term in a sequence
14. when the arithmetic sequence goes on forever
16. order list of numbers
17. number in sequence
18. The sum of a finite number of terms of an infinite series.

19. adding the terms of an arithmetic sequence
20. In an arithmetic sequence or series, the difference between two consecutive terms is d

Down

1. The long-run value that the terms of a convergent sequence approach.
5. In a geometric sequence or series, the ratio between two consecutive terms is r
6. The sum of a set of terms in geometric progression
7. each term equals the product of the proceeding term and a constant

8. a geometric series that ends
9. a geometric series that goes on forever
10. A sequence made by adding the same value each time.
12. represents any term in a sequence
13. a geometric shape that can be split into parts, each of which is a reduced copy of the whole
15. A series consisting of a finite, or limited, number of term

Word Bank

Finite series	arithmetic sequence	arithemetics	partial sum
Sequence	term	Limit of a sequence	geometric sequence
fractal	Geometric series	common difference	finite arithmetic
general term	finite geometric	arithmetic series	infinite geometric
index	common ratio	recursive formula	infinite arithmetic