

Sort It Out

Types of Sequence

Sort these sequences into each of the four different types.
Then find the next two terms in each sequence.

1	6, 10, 14, 18, ... 22, 26	2	1, 3, 9, 27, ... 81, 243
3	12, 24, 48, 96, ... 392, 784	4	1, 4, 9, 16, ... 25, 36
5	85, 80, 75, 70, ... 65, 60	6	1, 1, 2, 3, 5, ... 8, 13
7	6, 7, 9, 12, ... 16, 21	8	5, 8, 11, 14, ... 17, 20
9	1, 2, 4, 8, ... 16, 32	10	1, 2, 4, 7, ... 11, 16
11	19, 18, 17, 16, ... 15, 14	12	1000, 100, 10, 1, ... 0.1, 0.01
13	13, 15, 19, 25, ... 33, 43	14	1, 2, 6, 24, 120, ... 720, 5040
15	12.1, 11.7, 11.3, 10.9, ... 10.5, 10.1	16	10, 12, 14.4, 17.28, ... 20.736, 24.8832
17	49, 46, 41, 34, ... 25, 14	18	49, 46, 43, 40, ... 37, 34
19	2, 2, 2, 6, ... 10, 18	20	$\frac{1}{4}, \frac{1}{8}, \frac{1}{16}, \frac{1}{32}, \dots, \frac{1}{64}, \frac{1}{128}$

A	Arithmetic (Linear)	B	Geometric
	1, 5, 8, 11, 15, 18		2, 3, 9, 12, 16, 20
C	Quadratic	D	Other
	4, 7, 10, 13, 17		6, 14, 19