



Continue the sequence:

1	1,	3,	9,	27,	_____	_____
2	6,	12,	18,	24,	_____	_____
3	2,	8,	4,	10,	_____	_____
4	3,	9,	27,	81,	_____	_____
5	1,	3,	9,	27,	_____	_____
6	3,	9,	27,	81,	_____	_____
7	2,	10,	4,	15,	_____	_____
8	5,	14,	7,	18,	_____	_____
9	9,	16,	25,	36,	_____	_____
10	19,	26,	33,	40,	_____	_____
11	1,	3,	9,	27,	_____	_____
12	14,	23,	32,	41,	_____	_____
13	4,	14,	7,	18,	_____	_____
14	2,	4,	8,	16,	_____	_____
15	7,	10,	13,	16,	_____	_____
16	4,	13,	22,	31,	_____	_____
17	4,	9,	16,	25,	_____	_____
18	5,	15,	45,	135,	_____	_____
19	6,	13,	11,	16,	_____	_____
20	4,	8,	16,	32,	_____	_____



Answer key

- 1

1, 3, 9, 27, 81, 243

Rule: multiply by 3
- 2

6, 12, 18, 24, 30, 36

Rule: add 6
- 3

2, 8, 4, 10, 6, 12

Rule: two interleaved sequences (add 2 and add 2)
- 4

3, 9, 27, 81, 243, 729

Rule: multiply by 3
- 5

1, 3, 9, 27, 81, 243

Rule: multiply by 3
- 6

3, 9, 27, 81, 243, 729

Rule: multiply by 3
- 7

2, 10, 4, 15, 6, 20

Rule: two interleaved sequences (add 2 and add 5)
- 8

5, 14, 7, 18, 9, 22

Rule: two interleaved sequences (add 2 and add 4)
- 9

9, 16, 25, 36, 49, 64

Rule: square numbers (3^2 , 4^2 , 5^2 , ...)
- 10

19, 26, 33, 40, 47, 54

Rule: add 7
- 11

1, 3, 9, 27, 81, 243

Rule: multiply by 3
- 12

14, 23, 32, 41, 50, 59

Rule: add 9
- 13

4, 14, 7, 18, 10, 22

Rule: two interleaved sequences (add 3 and add 4)
- 14

2, 4, 8, 16, 32, 64

Rule: multiply by 2
- 15

7, 10, 13, 16, 19, 22

Rule: add 3
- 16

4, 13, 22, 31, 40, 49

Rule: add 9
- 17

4, 9, 16, 25, 36, 49

Rule: square numbers (2^2 , 3^2 , 4^2 , ...)
- 18

5, 15, 45, 135, 405, 1215

Rule: multiply by 3

Sequence Puzzle

logic-puzzles

Answers

Verify answers



Answer key

19 6, 13, 11, 16, 16, 19
Rule: two interleaved sequences (add 5 and add 3)

20 4, 8, 16, 32, 64, 128
Rule: multiply by 2

PW PW PW PW PW PW PW