



PW PW PW PW PW PW

Continue the sequence:

1 5, 13, 7, 15, _____, _____

2 6, 12, 24, 48, _____, _____

3 11, 16, 21, 26, _____, _____

4 3, 11, 5, 14, _____, _____

5 3, 9, 27, 81, _____, _____

6 6, 12, 24, 48, _____, _____

7 4, 12, 8, 16, _____, _____

8 1, 4, 9, 16, _____, _____

PW PW PW PW PW PW PW

9 9, 16, 25, 36, _____, _____

10 4, 10, 8, 15, _____, _____

11 11, 19, 27, 35, _____, _____

12 8, 14, 20, 26, _____, _____

13 1, 4, 9, 16, _____, _____

14 5, 14, 9, 17, _____, _____

15 19, 26, 33, 40, _____, _____

16 12, 14, 16, 18, _____, _____

PW PW PW PW PW PW PW



Answer key

- 1

5, 13, 7, 15, 9, 17

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

6, 12, 24, 48, 96, 192

Rule: multiply by 2
- 3

11, 16, 21, 26, 31, 36

Rule: add 5
- 4

3, 11, 5, 14, 7, 17

Rule: two interleaved sequences (add 2 and add 3)
- 5

3, 9, 27, 81, 243, 729

Rule: multiply by 3
- 6

6, 12, 24, 48, 96, 192

Rule: multiply by 2
- 7

4, 12, 8, 16, 12, 20

Rule: two interleaved sequences (add 4 and add 4)
- 8

1, 4, 9, 16, 25, 36

Rule: square numbers ($1^2, 2^2, 3^2, \dots$)
- 9

9, 16, 25, 36, 49, 64

Rule: square numbers ($3^2, 4^2, 5^2, \dots$)
- 10

4, 10, 8, 15, 12, 20

Rule: two interleaved sequences (add 4 and add 5)
- 11

11, 19, 27, 35, 43, 51

Rule: add 8
- 12

8, 14, 20, 26, 32, 38

Rule: add 6
- 13

1, 4, 9, 16, 25, 36

Rule: square numbers ($1^2, 2^2, 3^2, \dots$)
- 14

5, 14, 9, 17, 13, 20

Rule: two interleaved sequences (add 4 and add 3)
- 15

19, 26, 33, 40, 47, 54

Rule: add 7
- 16

12, 14, 16, 18, 20, 22

Rule: add 2