Growing patterns

Find the rule, then write the next two numbers.

Name: _____

Score: _____ / 10

1. 16, 17, 19, 22, _____, _____

2. 1, 9, 2, 10, _____, _____

3. 8, 9, 11, 14, _____, _____

4. 4, 5, 7, 10, _____, _____

5. 15, 17, 20, 24, _____, _____

6. 9, 15, 11, 17, _____, _____

7. 13, 16, 15, 18, _____, _____

8. 1, 2, 4, 8, _____, _____

9. 2, 6, 18, 54, _____, _____

10. 19, 25, 21, 27, _____, _____

Answer key: Growing patterns

1. 16, 17, 19, 22, 26, 31 (add 1, then 2, then 3, adding 1 more each time)

2. 1, 9, 2, 10, 3, 11 (add 8, then take away 7, over and over)

3. 8, 9, 11, 14, 18, 23 (add 1, then 2, then 3, adding 1 more each time)

4. 4, 5, 7, 10, 14, 19 (add 1, then 2, then 3, adding 1 more each time)

5. 15, 17, 20, 24, 29, 35 (add 2, then 3, then 4, adding 1 more each time)

6. 9, 15, 11, 17, 13, 19 (add 6, then take away 4, over and over)

7. 13, 16, 15, 18, 17, 20 (add 3, then take away 1, over and over)

8. 1, 2, 4, 8, 16, 32 (double each time)

9. 2, 6, 18, 54, 162, 486 (multiply by 3 each time)

10. 19, 25, 21, 27, 23, 29 (add 6, then take away 4, over and over)

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