Growing patterns

Find the rule, then write the next two numbers.

Name: _____

Score: _____ / 10

1. 11, 13, 16, 20, _____, _____

2. 1, 3, 9, 27, _____, _____

3. 13, 20, 18, 25, _____, _____

4. 2, 6, 18, 54, _____, _____

5. 3, 6, 10, 15, _____, _____

6. 7, 12, 8, 13, _____, _____

7. 7, 14, 8, 15, _____, _____

8. 12, 14, 17, 21, _____, _____

9. 12, 17, 15, 20, _____, _____

10. 9, 12, 10, 13, _____, _____

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Answer key: Growing patterns

1. 11, 13, 16, 20, 25, 31 (add 2, then 3, then 4, adding 1 more each time)

2. 1, 3, 9, 27, 81, 243 (multiply by 3 each time)

3. 13, 20, 18, 25, 23, 30 (add 7, then take away 2, over and over)

4. 2, 6, 18, 54, 162, 486 (multiply by 3 each time)

5. 3, 6, 10, 15, 21, 28 (add 3, then 4, then 5, adding 1 more each time)

6. 7, 12, 8, 13, 9, 14 (add 5, then take away 4, over and over)

7. 7, 14, 8, 15, 9, 16 (add 7, then take away 6, over and over)

8. 12, 14, 17, 21, 26, 32 (add 2, then 3, then 4, adding 1 more each time)

9. 12, 17, 15, 20, 18, 23 (add 5, then take away 2, over and over)

10. 9, 12, 10, 13, 11, 14 (add 3, then take away 2, over and over)