Square and cube patterns

Find the rule, then write the next two numbers.

Name: _____

Score: _____ / 10

1. 10, 15, 21, 28, _____, _____

2. 25, 36, 49, 64, _____, _____

3. 4, 9, 16, 25, _____, _____

4. 1, 8, 27, 64, _____, _____

5. 1, 4, 9, 16, _____, _____

6. 6, 10, 15, 21, _____, _____

7. 16, 25, 36, 49, _____, _____

8. 2, 5, 10, 17, _____, _____

9. 26, 37, 50, 65, _____, _____

10. 15, 21, 28, 36, _____, _____

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Answer key: Square and cube patterns

1. 10, 15, 21, 28, 36, 45 (triangle numbers: add 1 more each time)

2. 25, 36, 49, 64, 81, 100 (square numbers: 1 × 1, 2 × 2, 3 × 3...)

3. 4, 9, 16, 25, 36, 49 (square numbers: 1 × 1, 2 × 2, 3 × 3...)

4. 1, 8, 27, 64, 125, 216 (cube numbers: 1 × 1 × 1, 2 × 2 × 2...)

5. 1, 4, 9, 16, 25, 36 (square numbers: 1 × 1, 2 × 2, 3 × 3...)

6. 6, 10, 15, 21, 28, 36 (triangle numbers: add 1 more each time)

7. 16, 25, 36, 49, 64, 81 (square numbers: 1 × 1, 2 × 2, 3 × 3...)

8. 2, 5, 10, 17, 26, 37 (square numbers plus 1)

9. 26, 37, 50, 65, 82, 101 (square numbers plus 1)

10. 15, 21, 28, 36, 45, 55 (triangle numbers: add 1 more each time)