MY Homework

Lesson 6

Patterns

Homework Helper



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Tom is allowed to download 3 new songs each week. The table shows the total number of songs he can download for several weeks. Extend the pattern to find the next three terms.

Week	1	2	3	4
Number of Songs	3	6	9	12

Each term in the sequence can be found by adding 3 to the previous term.

$$12 + 3 = 15$$

$$15 + 3 = 18$$

$$18 + 3 = 21$$

The next three terms are 15, 18, and 21.

Practice

Algebra Identify the pattern. Then write the next three terms in each sequence.

6. Luke always runs 1 lap to warm up for track practice. Alex always runs 3 laps to warm up for track practice. Write the number of total laps ran for 1, 2, 3, and 4 practices for each student. Then compare the total number of laps ran for 3 practices by both students.

Vocabulary Check



7. Fill in each blank with the correct word to complete each sentence.

A sequence is a list of numbers that follow a specific

Each number in the list is called a _____

Test Practice

- **8.** Which represents the next three terms in the sequence 8, 16, 24, 32, . . . ?
 - A 36, 40, 44
- © 40, 48, 56
- (B) 64, 128, 256
- (D) 72, 216, 648