Sequences

Math

Name_____ Class_____ Date_____

1 The sequence, **0, 1, 1, 2, 4, 7, 13**… is similar to the Fibonacci sequence. **What are the next three numbers?**

A 20, 33, 53
B 26, 50, 96
C 24, 44, 81
D 24, 37, 61

2 The house numbers on houses for a street are **102, 103, 108, 109, 114**…. **What are the next three house numbers?**

A 115, 118, 119
B 115, 121, 122
C 115, 121, 129
D 115, 120, 121

3 A class takes a field trip to the zoo where they will watch a movie about animals. If the movie times are **10:15, 11:00, 11:45, 12:30**, etc. The theater likes there to be **15** minutes between

4 On Halloween, Mrs. Spicer does **not** like a lot of candy left over. For the first hour, she hands out **two** pieces of candy. For each hour after that, she hands out **one piece more** than the previous hour. How many
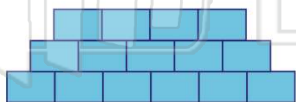
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C star
D heart

B 15
C 16
D 17

9 Based on the shape shown, if the pattern continues for **one less block** on each row until the top row has one block, how many total blocks will there be altogether?

A 11
B 19
C 21
D 28

10 The volume of the cubes shown is **1 cm³, 8 cm³**, and **27 cm³**. If this pattern continues, what would be the **volume** of a cube that has sides **8 cm** long?

A 343 cm³
B 512 cm³
C 729 cm³
D 929 cm³

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