

Generate two numerical patterns using two given rules. Problem 1

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

1. 124, 115, 106, _____

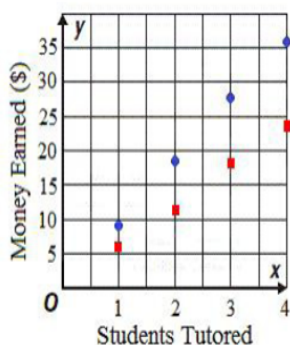
- a. subtract 10; 87, 77, 67 b. subtract 7; 90, 83, 76
c. subtract 9; 88, 79, 70 d. subtract 8; 89, 81, 73

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

2. 4, 12, 36, 108, _____, _____, _____
Pattern: _____

Read the word problems and follow the graph. Problem 3

Mike and Kelly earn money tutoring kids after school. Mike earns \$9 for every student he tutors. Kelly earns \$6 for every student she tutors. How much more does Mike earn after tutoring 4 kids than Kelly?



- a. \$10 b. \$14
c. \$12 d. \$16

Generate two numerical patterns using two given rules. Problem 2

Tom and Carl have 40 tickets each to spend at a carnival. Tom spends 9 tickets each hour. Carl spends 3 tickets each hour. Write the pattern of tickets that are used by each person each hour. How many tickets remain after 1, 2, 3, and 4 hours.

Tom _____

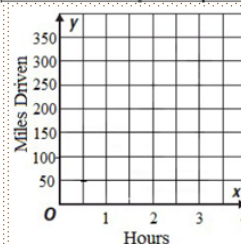
Carl _____

Generate two graph patterns following the pattern. Problem 4

Jamie and Sara are taking separate road trips. Jamie drives 60 miles per hour and Sara drives 70 miles per hour. Find the number of miles driven by each person after 1, 2, 3, and 4 hours of driving. Complete the table below then graph the results as ordered pairs.

Jamie				
Hours	1	2	3	4
Miles Driven				

Sara				
Hours	1	2	3	4
Miles Driven				



[Click here for the Answers](#)