



# Numerical Patterns

Let's explore numerical patterns.

Activity 1

## Keep Adding 9

Andre's rule for a pattern is "start with 9, keep adding 9."

Use what you've noticed about Andre's pattern to make some predictions.

- 1. Complete the table with the first 10 numbers in Andre's pattern.

What do you notice about the numbers in Andre's pattern? Make at least 2 observations to share with your partner.

keep adding 9
9

2. Choose one observation you or your partner made. Explain or show why you think it happens.
- a. What is the 12th number in Andre's pattern?
- b. What is the 15th number?
- c. What is the 25th number?



Activity 2

Add 99

Elena’s rule for a pattern is “start with 99, keep adding 99.”

- 1. Complete the table with the first 5 numbers in Elena’s pattern.

Look closely at the list of numbers. Make at least 3 observations about the numbers in the pattern.

keep adding 99
99

- 2. Complete the table with the next 5 numbers in Elena’s pattern.

