Student Name: _____

Class: _____

Due Date: _____

Introduction to Three-Digit Numbers

Essential Understanding:

- Three-digit numbers are made up of hundreds, tens, and ones places
- Each digit in a three-digit number has a place value
- Understanding place value is crucial for reading and writing three-digit numbers

Complete these concept checks:

1. Read and write the following three-digit numbers:
    - 456: _____
    - 279: _____
    - 945: _____

2. Write the following numbers in standard form:
    - Four hundred fifty-six: _____"
    - Two hundred seventy-nine: _____"
    - Nine hundred forty-five: _____"

Place Value Understanding

Identify the place value of each digit:

- 456:
    - Hundreds place: _____
    - Tens place: _____
    - Ones place: _____
- 279:
    - Hundreds place: _____
    - Tens place: _____
    - Ones place: _____

Determine the value of each digit:

1. 945:
    - 9 is in the _____ place and has a value of _____
    - 4 is in the _____ place and has a value of _____
    - 5 is in the _____ place and has a value of _____

2. 456:
    - 4 is in the _____ place and has a value of _____
    - 5 is in the _____ place and has a value of _____
    - 6 is in the _____ place and has a value of _____

Comparing Three-Digit Numbers

Compare the following numbers:

- 456 and 457: Which number is greater? _____
- 279 and 278: Which number is greater? _____
- 945 and 946: Which number is greater? _____

Determine which number is greater:

1. 456 or 459: _____

2. 279 or 275: _____

3. 945 or 950: _____

Solve the following word problems:

1. Tom has 456 pencils in his pencil case. If he gives 127 pencils to his friend, how many pencils does Tom have left?

2. A bookshelf has 279 books on it. If 145 more books are added, how many books are on the bookshelf now?

3. A water tank can hold 945 liters of water. If 375 liters of water are already in the tank, how much more water can be added?

Place Value Patterns

Identify the pattern in the following numbers:

- 456, 457, 458, 459, 460
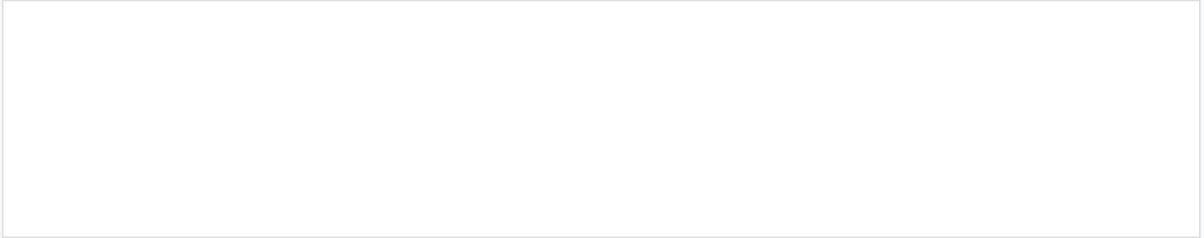- 279, 278, 277, 276, 275

Determine the next number in the pattern:
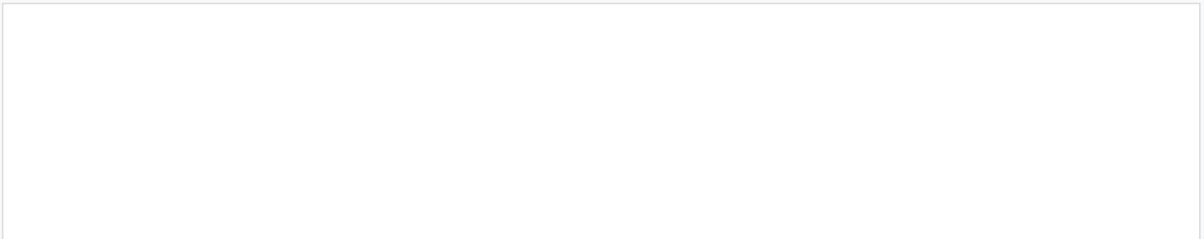
1. 945, 946, 947, 948, _____

2. 456, 457, 458, 459, _____

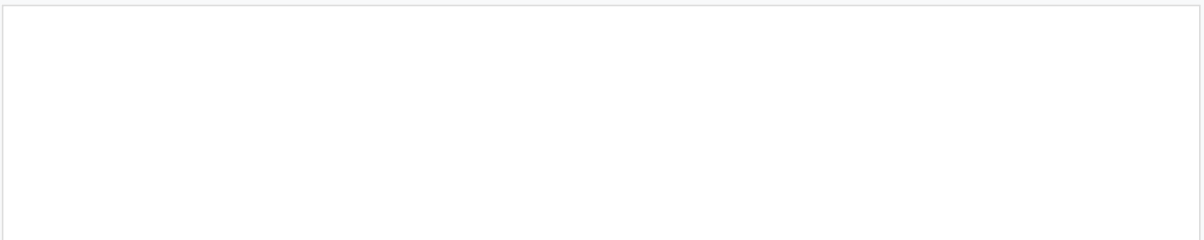**Use a hundreds chart to help you solve the following problems:**

1. 456 - 127 = _____

2. 279 + 145 = _____
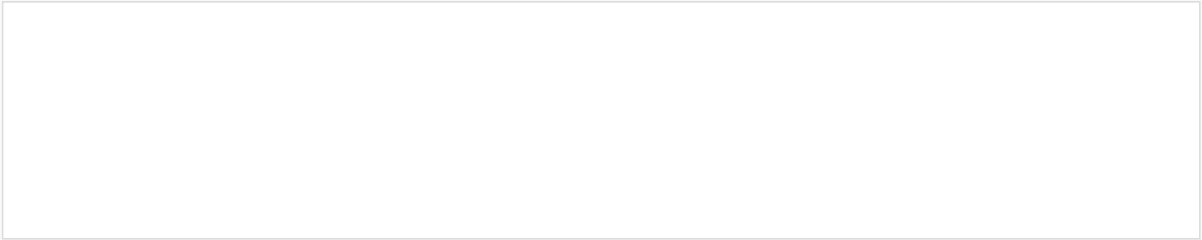
3. 945 - 375 = _____

Base-Ten Blocks

Use base-ten blocks to represent the following numbers:
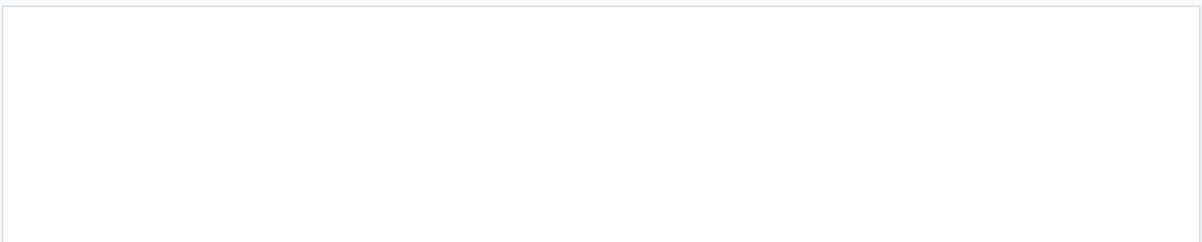
1. 456:
    - Hundreds blocks: _____
    - Tens blocks: _____
    - Ones blocks: _____

2. 279:
    - Hundreds blocks: _____
    - Tens blocks: _____
    - Ones blocks: _____

Solve the following real-world problems:

1. Measure the length of a room in meters. If the room is 456 meters long, how many hundreds of meters is that?

2. A store has 279 boxes of cereal on the shelf. If each box contains 12 packets of cereal, how many packets of cereal are there in total?

3. A water tank can hold 945 liters of water. If 375 liters of water are already in the tank, how much more water can be added?

Read and write the following three-digit numbers:

- 456: _____
- 279: _____
- 945: _____

Identify the place value of each digit:

1. 456:
    - Hundreds place: _____
    - Tens place: _____
    - Ones place: _____

2. 279:
    - Hundreds place: _____
    - Tens place: _____
    - Ones place: _____

Complete the following assessment to evaluate your understanding of three-digit numbers and place value:

1. Read and write the number 456: _____

2. Identify the place value of each digit in the number 279:
   - Hundreds place: _____
   - Tens place: _____
   - Ones place: _____

3. Determine the value of each digit in the number 945:
   - 9 is in the _____ place and has a value of _____
   - 4 is in the _____ place and has a value of _____
   - 5 is in the _____ place and has a value of _____