STUDENT ACTIVITY → NUMBERS AND OPERATIONS BASE 10

Practice

Communication Place Value

In the US we have 7, 10, or 11-digit phone numbers but did you know that there are some countries with as many as 15-digit numbers. Phone numbers can usually be broken down into three parts:

Example:	+1	800	875 6564
	Country Code	Area Code	Phone Number

In the US we have 5-digit zip codes to help us send mail. In other countries this might be 4, 6 or more. Some even include letters! Practice place value and expanded notation with the numbers below.

Philippines

- **Manila**
  - Phone Number: +63 917 823 4567
  - Postal Code: 1000
- **Baguio**
  - Phone Number: +63 74 128 4597
  - Postal Code: 2600

Kenya

- **Nairobi**
  - Phone Number: +254 20 183 4967
  - Postal Code: 00100 (Nairobi)
- **Mombasa**
  - Phone Number: +254 41 234 5678
  - Postal Code: 80100

Colombia

- **Bogotá**
  - Phone Number: +57 301 234 5678
  - Postal Code: 110111
- **Cartagena**
  - Phone Number: +57 5 567 8901
  - Postal Code: 130001

United States

- **Kansas City, MO**
  - Phone Number: +1 816 555 1234
  - Postal Code: 64106 (Kansas City, MO)
- **Washington, DC**
  - Phone Number: +1 202 555 4321
  - Postal Code: 20004

NAME_____ HR_____

DATE_____

Exit Ticket

Numbers and Operations Base 10

Complete the equations then underline and write the place value of the 7. Then write the answer in expanded form.

1. 456,789 + 310,177 = _____ Place Value: _____
   Expanded Form:

2. 98,765 – 10,089 = _____ Place Value: _____
   Expanded Form:

3. 123 x 57 = _____ Place Value: _____
   Expanded Form:

4. 2,145 / 3 = _____ Place Value: _____
   Expanded Form:

5. Why do you think it's important to understand how numbers are used to communicate with people in other countries?

_____

_____

_____

_____

_____

Exit Ticket Answer Key

Numbers and Operations Base 10

1. 456,789 + 310,177 = 766,966
   Hundred Thousands
   700,000 + 60,000 + 6,000 + 900 + 60 + 6

2. 98,765 - 10,089 = 88,676
   Tens
   80,000 + 8,000 + 600 + 70 + 6

3. 123 x 57 = 7,011
   Thousands
   7,000 + 10 + 1

4. 2,145 / 3 = 715
   Hundreds
   700 + 10 + 5

5. Answers will vary but should include some of the following points:
   - "Because people in other countries use numbers too, and we can understand each other even if we don't speak the same language."
     - Alignment: Highlights math as a universal language, reinforcing the lesson's emphasis on using number lines and equations to communicate thinking.
   - "If I go to another country, I can still use math to help me buy things or tell time."
     - Alignment: Connects subtraction and number sense to real-world applications like money and time—skills practiced in the lesson.
   - "Math helps us solve problems together, even if we live far away."
     - Alignment: Reflects the collaborative nature of math and the lesson's goal of modeling and solving subtraction problems.
   - "People everywhere use number lines and equations, so it's good to learn them."
     - Alignment: Directly ties to the lesson's strategy of using number lines and equations to solve subtraction problems.
   - "We all use math to figure things out, like how much something costs or how far we go."
     - Alignment: Reinforces the lesson's focus on subtraction as a tool for solving everyday problems.