

Natural Numbers Challenge Pack

Name: _____ Date: _____

Population Detective

Use the population data below to solve the challenges.

Community	Population
Waterford	143 208
Paris	118 950
Ayr	127 401
Binbrook	136 090

1. Which community has the greatest population?
2. Which community has the smallest population?
3. Order the populations from least to greatest.
4. Write the population of Paris in words.
5. Write the population of Ayr in expanded form.
6. What is the value of the digit 3 in Waterford's population?
7. Explain how you knew which population was the largest.

Number Challenges

Mystery Number

I have a 7 in the ten-thousands place, a 4 in the hundreds place, a 9 in the ones place, and my value in the thousands place is 2 000. What number am I?

Matching Activity

305 008 -> ____

412 030 -> ____

780 400 -> ____

- A. Four hundred twelve thousand thirty
- B. Three hundred five thousand eight
- C. Seven hundred eighty thousand four hundred

Build Your Own Number

Create a six-digit number that has a value of 60 000 in one place, contains a 5 in the ones place, and is greater than 300 000.

My Number:

Word Form:

Expanded Form:

Error Analysis

A student wrote: $506\,201 = 500\,000 + 60\,000 + 200 + 10 + 1$

What mistakes did the student make? How would you fix it?