City Population Report

4th Grade Math Project · Cities & Maps

Grade 4 · Advanced

Name: _____ Date: _____ Class: _____

The Challenge

A travel magazine has hired you as a data reporter. Your job is to study the populations of five cities and make a fact poster that readers can trust.

You will make: City Fact Poster

What you will learn

- Read and write large numbers in standard, word and expanded form.
- Compare and order numbers using place value.
- Round numbers to a given place.
- Explain how a digit's value changes from one place to the next.

Materials

- Place-value chart
- Poster paper or blank paper
- Markers or colored pencils

How to do it

1. Part 1: Read and Write the Numbers
2. Part 2: Compare and Order
3. Part 3: Round for the Headlines
4. Part 4: The Value of a Digit
5. Check your work and share your city fact poster.

Part 1: Read and Write the Numbers

The table shows how many people live in five cities.

City	Population
Maple Grove	452,068
Riverton	425,860
Lakeside	698,175
Pinehill	96,340
Summit City	903,862

1. Write the population of Maple Grove in word form.

2. Write the population of Maple Grove in expanded form.

3. Write this number in standard form: ninety-six thousand, three hundred forty.

Part 2: Compare and Order

Use >, < or = and the place-value chart on your desk.

4. Compare 452,068 and 698,175. Write >, < or =.

5. List the five cities from the greatest population to the least.

6. Which place did you look at to compare Maple Grove and Lakeside? Why?

Part 3: Round for the Headlines

Magazine headlines use rounded numbers. Round each population to the nearest ten thousand.

7. Round the population of Maple Grove: 452,068.

8. Round the population of Riverton: 425,860.

9. Round the population of Lakeside: 698,175.

Part 4: The Value of a Digit

Look at the digit 5 in 452,068 and in 698,175.

10. What is the value of the 5 in 452,068?

11. What is the value of the 5 in 698,175?

12. How many times as much is the first value as the second value?

⭐ Extension Challenge

A sixth city's population rounds to 700,000 to the nearest hundred thousand AND to 650,000 to the nearest ten thousand. What are the least and greatest populations it could have? Explain.

How your project will be scored

Category	4 Excellent	3 Good	2 Developing	1 Beginning
Math accuracy	All answers correct	Most answers correct	Some answers correct	Few answers correct
Shows work	Clear work for every step	Work for most steps	Some work shown	Little work shown
Explains thinking	Clear, complete explanations	Mostly clear explanations	Some explanation	Little explanation
Final product	Complete, neat and creative	Complete and neat	Partly complete	Not complete