



GRADE 4 / WATCH MR DJ SOLVE

READING, WRITING AND COMPARING LARGE NUMBERS

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE****Compare 45,032 and 45,302 using $<$, $>$ or $=$. Name the first place that decides.**

- 1 Align equal places. You may use leading zeros temporarily to align the places.
- 2 The first different place has value 100
- 3 compare 0 and 3 there.
- 4 The lower places cannot overturn this first difference.

Answer: **$45,032 < 45,302$** **REMEMBER** Align equal places, compare from the greatest place, and stop at the first difference. Expanded form must add back to the original number.

Read each step and explain why it is valid. The next pages demonstrate the methods in more detail. Then use the large work areas on the numbered practice pages.

GRADE 4 / WORKED METHODS**READING, WRITING AND COMPARING LARGE NUMBERS**

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Read and expand a large whole number

$$305,070 = 300,000 + 5,000 + 70$$

1. Read the thousands group 305 as three hundred five thousand.
2. Read the last group 070 as seventy. “And” may be used in regional readings.
3. Name the value of each nonzero digit and check the terms add to 305,070.

GRADE 4 / WORKED METHODS

READING, WRITING AND COMPARING LARGE NUMBERS

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Compare the first differing place

$$45,032 < 45,302$$

1. Align both numbers by units: ten-thousands through ones.
2. Ten-thousands and thousands agree. Hundreds differ: 0 hundreds < 3 hundreds.
3. The smaller places cannot make up 300; at most they total 99.

45,032 and 45,302

Ten-thousands	Thousands	Hundreds	Tens	Ones
4 = 4	5 = 5	0 < 3	3 and 0	2 = 2

The hundreds decide; compare equal units.



Date _____

READING, WRITING AND COMPARING LARGE NUMBERS

A cartoon fox mascot with orange fur, large eyes, and a purple collar, holding a yellow pencil.

1. Compare 98,999 and 100,001 using $<$, $>$ or $=$. Name the first place that decides.

2. Compare 604,020 and 604,002 using $<$, $>$ or $=$. Name the first place that decides.

Reading, writing and comparing large numbers / practice · page 4



Name _____ **Date** _____

Date _____

READING, WRITING AND COMPARING LARGE NUMBERS

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

Medium 3. Write 305,070 in words and expanded form. Explain the zero places.

My answer / conclusion: _____

Medium 4. Write “four hundred six thousand eight” in numerals. Name each nonzero place.

My answer / conclusion: _____



GRADE 4 / PRACTICE

READING, WRITING AND COMPARING LARGE NUMBERS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔊 Medium

5. Order 90,909; 99,090; 90,099; 99,009 from least to greatest. Mark the deciding place in each comparison.

My answer / conclusion: _____

🔊🔊🔊 Spicy

6. Eli writes 52,306 as $5 + 2 + 3 + 0 + 6$. Explain how to check and repair it.

My answer / conclusion: _____



GRADE 4 / PRACTICE

READING, WRITING AND COMPARING LARGE NUMBERS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

7. Use digits 0, 2, 5, 8 once each to make the least four-digit number and the greatest. Explain the zero restriction.

My answer / conclusion: _____

🔥🔥🔥🔥 Extra Spicy

8. Why does a difference of one thousand outweigh every possible combination of hundreds, tens and ones?

My answer / conclusion: _____