



Homework 1-3

Comparing and Ordering Whole Numbers

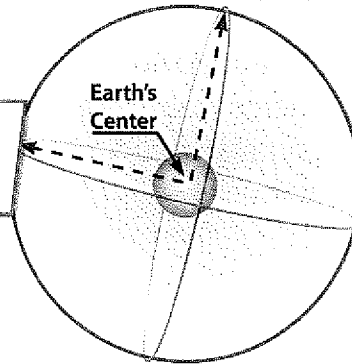
Another Look!

The distance around Earth depends on whether you measure around the equator or around the North and South Poles.



Distance around the poles:
131,463,255 ft

Distance around the equator:
131,479,659 ft



Which distance is greater: the distance around the equator or the distance around the North and South Poles?

Step 1	Step 2	Step 3
<p>Write the numbers, lining up the places. Begin at the left and compare.</p> <p style="text-align: center;">131,479,659 131,463,255</p> <p>The hundred millions digit is the same in both numbers.</p>	<p>Continue comparing the digits from left to right.</p> <p style="text-align: center;">131,479,659 131,463,255</p> <p>The ten millions, one millions, and hundred thousands digits are the same.</p>	<p>The first place where the digits are different is the ten thousands.</p> <p style="text-align: center;">131,479,659 131,463,255</p> <p>Compare. 7 ten thousands > 6 ten thousands, so 131,479,659 > 131,463,255.</p> <p>The distance around Earth is greater around the equator.</p>

1. Use place value to order the numbers from greatest to least.

3,922,284 37,544,237 3,921,107 37,544,037

In 2 through 7, complete by writing > or < in each .

2. 2,854,376 2,845,763

3. 6,452,789 6,452,876

4. 59,635 59,536

5. 29,374,125 30,743,225

6. 159,480,000 92,418,218

7. 449,321 450,123


8. **Number Sense** Write the names of the oceans in order from least to greatest area. Write a number that is between the two numbers in the middle of the list.

Ocean	Area (square kilometers)
Atlantic	82,400,000
Pacific	165,760,000
Arctic	14,090,000
Indian	65,526,700

9. **Analyze Information** If the continents were ordered from greatest to least area, which continent would be in the middle of the list?

Continent	Area (square kilometers)
Africa	30,065,000
Antarctica	13,209,000
Asia (plus the Middle East)	44,579,000
Australia (plus Oceania)	7,687,000
Europe	9,938,000
North America	24,256,000
South America	17,819,000

10. **Number Sense** Write the number 39,005 in expanded form.

11. The Atlantic Ocean has an area of  33,420,000 square miles. This area is between which numbers?

- A 33,400,000 and 33,440,000
- B 33,000,000 and 33,040,000
- C 33,100,000 and 33,419,000
- D 33,430,000 and 33,500,000

12. **Extend Your Thinking** If the area of the continent in the middle of the list above in Problem 9 had an area of ten million more square kilometers, would it still be in the middle of an ordered list? Explain.

13. **Extend Your Thinking** The first digit of two different numbers is in the hundred millions place. Both numbers contain the same digits. Can you determine the greater of the two numbers? Explain.