

3 Develop the Concept

3 Independent Practice

Remind students to line up the whole numbers by place value beginning on the right before they compare whole numbers from the left. Suggest that students use a place-value chart to compare the sets of numbers.

Problem Solving

Exercise	Content
23	Compare and Order
24	Place Value
25	Communicate Math Understanding Compare and Order
26	Multiple-Step
27	Number Sense
28	Compare and Order
29	Compare and Order
30	Compare and Order
31	Place Value

Students use underlying processes and mathematical tools for Exercises 23–31. Remind students to check for reasonableness when solving each problem.

Exercise 26

Problem-Solving Strategy: Read and Understand Remind students to disregard any unnecessary information. *What did each brother buy?* [A ticket and a bag of popcorn] *Does the problem say they bought bottled water?* [No]

Exercise 28

Test-Taking Tip: Make a Plan Encourage students to think about problem-solving skills and strategies. Tell students to line up numbers and compare place value from left to right in order to compare numbers. *In which place are the numbers first different in Exercise 28?* [Thousands]

Independent Practice

Order each set of numbers from greatest to least.

19. 65,081,127 7,000,128 9,910,001
65,081,127; 9,910,001; 7,000,128
20. 90,459,012,045 91,459,012,045 90,459,010,045
91,459,012,045; 90,459,012,045; 90,459,010,045
21. 15,100,000,022 1,510,000,022 10,010,899,002
15,100,000,022; 10,010,899,002; 1,510,000,022
22. 186,347,987 100,389,120 18,121,817 1,500,987
186,347,987; 100,389,120; 18,121,817; 1,500,987

Problem Solving

23. **Number Sense** Write three numbers that are greater than 154,000 but less than 155,000.
See margin.
25. **Writing to Explain** Here is how Marek ordered three numbers from least to greatest:
870,990; 4,970,070; 1,426,940
What mistake did Marek make?
Explain how to correct his mistake.
See margin.
27. **Algebra** Find all the digits that can replace the missing digit to make this comparison true.
496, 56,200 > 496,745,310
7, 8, 9
29. Glory Bicycle Company made \$589,029 in sales. Right Bicycles made \$590,011. Coastal Bikes made more than Glory Bicycle Company, but less than Right Bicycles. How much did Coastal Bikes make?
A \$589,020 **C** \$590,101
B \$589,300 **D** \$590,100
30. The surface area of the moon is 37,900,000 km². Which has a larger surface area?
Earth
31. **Reasoning** If a number is greater than 800,000,000,000 but less than 801,000,000,000, what digit will be in the billions place? **0**
24. The U.S. Postal Service delivers about 212,000,000,000 pieces of mail every year. Which digit is in the ten billions place?
1
26. Four brothers each bought a \$9 movie ticket and a \$4 bag of popcorn. Bottled water cost \$2. Together the brothers had \$60. How much was left?
\$8
28. Which of the numbers below is the greatest?
9,781 9,178 9,817
9,187 8,971
A 9,178 **C** 9,781
B 9,817 **D** 8,971



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Answers

23. Any numbers between (and including) 154,001 and 154,999.
25. The correct order is 870,990; 1,426,940; 4,970,070; 870,990 does not have as many digits as the other two numbers and is therefore less than these numbers; 4,970,070 is greater than 1,426,840, so these numbers should be reversed.