

Name _____

Practice

1-1

Place Value

Write the word form for each number and tell the value of the underlined digit.

1. 34,235,345

2. 19,673,890,004

3. Write 2,430,090 in expanded form.

Write each number in standard form.

4. $80,000,000 + 4,000,000 + 100 + 8$

5. twenty-nine billion, thirty-two million

6. **Number Sense** What number is 10,000 less than 337,676?

7. Which number is 164,502,423 decreased by 100,000?

- A. 164,402,423 B. 164,501,423 C. 164,512,423 D. 264,502,423

8. **Explain It** Explain how you would write 423,090,709,000 in word form.

Comparing and Ordering Whole Numbers

Complete. Compare the numbers. Use $<$ or $>$ for each \bigcirc .

1. 23,412 \bigcirc 23,098

2. 9,000,000 \bigcirc 9,421,090

Order these numbers from least to greatest.

3. 7,545,999 7,445,999 7,554,000

4. **Number Sense** What digit could be in the ten millions place of a number that is less than 55,000,000 but greater than 25,000,000? _____

5. Put the trenches in order from the least depth to the greatest depth.

Depths of Major Ocean Trenches

Trench	Depth (in feet)
Philippine Trench	32,995
Mariana Trench	35,840
Kermadec Trench	32,963
Tonga Trench	35,433

6. These numbers are ordered from greatest to least. Which number could be placed in the second position?

2,643,022 1,764,322 927,322

A 2,743,022 **B** 1,927,304 **C** 1,443,322 **D** 964,322

7. **Explain It** Explain why 42,678 is greater than 42,067.

Name _____

Practice

1-3

Decimal Place Value

Write the word form of each number and tell the value of the underlined digit.

1. 3.100

2. 5.267

3. 2.778

Write each number in standard form.

4. $8 + 0.0 + 0.05 + 0.009 + 0.0006$

5. $1 + 0.9 + 0.08 + 0.001 + 0.00002$

Write two decimals that are equivalent to the given decimal.

6. 5.300

7. 3.7

8. 0.9

9. The longest stem on Eli's geranium plant is 7.24 inches. Write 7.24 in word form.

10. **Explain It** The number 4.124 has two 4s. Why does each 4 have a different value?

Comparing and Ordering Decimals

Write $>$, $<$, or $=$ for each \bigcirc .

1. $5.424 \bigcirc 5.343$

2. $0.33 \bigcirc 0.330$

3. $9.489 \bigcirc 9.479$

4. $21.012 \bigcirc 21.01$

5. $223.21 \bigcirc 223.199$

6. $5.43 \bigcirc 5.432$

Order these numbers from least to greatest.

7. 8.37, 8.3, 8.219, 8.129 _____

8. 0.012, 0.100, 0.001, 0.101 _____

9. **Number Sense** Name three numbers between 0.33 and 0.34.

10. Which runner came in first place?

11. Who ran faster, Amanda or Steve?

12. Who ran for the longest time?

Half-Mile Run

Runner	Time (minutes)
Amanda	8.016
Calvin	7.049
Liz	7.03
Steve	8.16

13. Which number is less than 28.43?

A 28.435

B 28.34

C 28.430

D 29.43

14. **Explain It** Explain why it is not reasonable to say that 4.23 is less than 4.13.

Problem Solving: Look for a Pattern

Determine the pattern and then complete the grids.

1.

0.87		0.89	
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3.

0.12
0.22

2.

0.22	0.23		
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4.

0.56
0.76

5. **Critical Thinking** In a list of numbers, the pattern increases by 0.001 as you move to the right. If the third number in the list is 0.064, what is the first number in the list? Explain how you know.

6. If 5 school buses arrive, each carrying exactly 42 passengers, which expression would you use to show how many people in all arrived on the school buses?

A $42 + 5$

B $42 - 5$

C 42×5

D $42 \div 5$

7. **Explain It** Mishell arranged her coins in the following pattern: \$0.27, \$0.29, \$0.31, \$0.33. Explain what her pattern is, and then tell what the next amount of coins would be.
