

TEKS	STAAR Mathematics Unit	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.10	5.11	5.12	5.13	5.14-5.16
I. Number, Operations, and Quantitative Reasoning	Unit 1: Use Place Value with Whole Numbers	✓													✓
	Unit 2: Use Place Value with Decimals	✓													✓
	Unit 3: Compare and Order Decimals	✓													✓
	Unit 4: Add and Subtract Whole Numbers			✓											✓
	Unit 5: Add and Subtract Decimals			✓											✓
	Unit 6: Identify Factors and Multiples			✓											✓
	Unit 7: Multiply Whole Numbers			✓											✓
	Unit 8: Divide by One-Digit Divisor			✓											✓
	Unit 9: Divide by a Two-Digit Divisor			✓											✓
	Unit 10: Estimate Solutions				✓										✓
	Unit 11: Relate Decimals to Fractions		✓												✓
	Unit 12: Find Equivalent Fractions		✓												✓
	Unit 13: Generate Mixed Numbers and Improper Fractions		✓												✓
	Unit 14: Compare Fractions to Solve Problems		✓												✓
	Unit 15: Add and Subtract Fractions			✓											✓
II. Patterns, Relationships, and Algebraic Reasoning	Unit 16: Describe Relationships				✓										✓
	Unit 17: Identify Prime and Composite Numbers				✓										✓
	Unit 18: Write Equations					✓									✓
III. Geometry and Spatial Reasoning	Unit 19: Classify Quadrilaterals							✓							✓
	Unit 20: Classify Geometric Figures							✓							✓
	Unit 21: Locate Points on the Coordinate Plane									✓					✓
IV. Measurement	Unit 22: Identify Transformations							✓							✓
	Unit 23: Convert among Metric Units									✓					✓
	Unit 24: Convert among Customary Units									✓					✓
	Unit 25: Find Perimeter and Area									✓					✓
	Unit 26: Find Volume									✓					✓
V. Probability and Statistics	Unit 27: Solve Problems with Temperature and Time										✓				✓
	Unit 28: Conduct Probability Experiments											✓			✓
	Unit 29: Make Predictions												✓		✓
	Unit 30: Make Line Graphs from Tables													✓	✓
	Unit 31: Find Median, Mode, and Range													✓	✓
	Unit 32: Graph Data													✓	✓

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Unit 1 Mini-Lesson

Use Place Value with Whole Numbers

Standard

Number, Operations, and Quantitative Reasoning

5.1A (55) Use place value to read, write, compare, and order whole numbers through 999,999,999,999.

Model the Skill

Draw a place value chart on the board.

Billions			Millions			Thousands			Ones		
hundred billions	ten billions	billions	hundred millions	ten millions	millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones
1	0	0,	0	0	0,	0	0	0,	0	0	0

- ◆ **Say:** Look at the place value chart. How many places are shown on this chart? (12) Point out that the chart is arranged in groups of three places called periods and remind students that we use commas to separate digits into periods. Have students write examples of 4-digit, 6-digit, and 7-digit whole numbers and compare their value.
- ◆ **Ask:** What number is shown on the chart? (100 billion) How do you know how to read this number? Help students understand how to read greater numbers.
- ◆ **Ask:** How do we write the number one billion, two hundred fifty million, ten thousand in the place value chart? (1,250,010,000) Discuss the value of each digit and the importance of zero in writing numbers. Have students use the place value chart to read and write numbers in standard and expanded form. Have them use place value to compare and order the numbers they write.
- ◆ Assign students the appropriate practice page(s) to support their understanding of the skill.

Assess the Skill

Use the following problems to pre-/post-assess students' understanding of the skill.

- ◆ Ask students to write the following numbers in standard form and then order them from least to greatest.

thirty-five million, twenty thousand, eight hundred

one hundred fifty thousand, seven hundred thirty

ten billion, seventy-five million, five hundred thousand

Name _____ Date _____

Write or compare numbers as indicated. Use the place value chart to help you.

Billions			Millions			Thousands			Ones		
hundred billions	ten billions	billions	hundred millions	ten millions	millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones

- 1 one hundred fifty thousand, six hundred three
standard form: _____
- 2 one billion, two million, three thousand
standard form: _____
- 3 15,302,750
written form: _____
- 4 105,406
expanded form: _____ + _____ + _____ + _____

5 100,783 10,078

6 9,674 9,673

7 5,400,860 50,408,600

8 27,836 27,825

9 1,000,900,500 1,000,900,500

10 1,234,506 123,400,506

> is greater than
< is less than
= is equal to

☆ Tell how place value helps you compare two numbers.

Name _____ Date _____

Write each number as indicated.

- 1 standard form: 10,875
expanded form: $10,000 + 800 + 70 + 5$
written form: _____
- 2 standard form: 105,250
expanded form: _____
written form: _____
- 3 standard form: _____
expanded form: _____
written form: four million thirty thousand nine hundred fifty-seven
- 4 standard form: _____
expanded form: $10,000,000 + 700,000 + 5,000 + 800 + 90 + 1$
written form: _____

Compare the numbers in the box. Use >, <, or =.

- 5 _____ ○ _____
- 6 _____ ○ _____
- 7 _____ ○ _____
- 8 _____ ○ _____
- 9 _____ ○ _____

408,083
380,746
81,740
501,004
101,978

- 10 The numbers in order from least to greatest are _____

☆ Tell the steps you took to write the numbers in order.

Name _____ Date _____

Solve.

- 1 Write the following number in written form.
 $10,003,459,027$

- 2 Write the following number in standard form.
four hundred one million seven hundred two thousand three hundred sixty-eight

- 3 Write the following number in expanded form.
 $42,060,839$

- 4 Use symbols to show the relationship between the following three numbers.
 $12,111,320$ $8,979,554$ $9,461,008$

Circle the letter for the correct answer.

- 5 Which number is greater than 672,199,023 and less than 726,098,400?
A 707,555,399
B 669,087,999
C 742,058,372
D 67,900,000
- 6 Which is the standard representation of five billion, sixty million, eleven thousand twelve?
A 5,061,100,012
B 5,560,110,012
C 5,060,110,012
D 5,060,011,012

- 7 The table below shows the number of hamburgers sold each year.

Restaurant	Number of Burgers Sold
Amy's	1,246,780
Best Burger	1,262,000
Burger Empire	875,925

Based on this information, which of the following statements is true?

- A Amy's sold the greatest number of burgers.
- B Best Burger sold the least number of burgers.
- C Burger Empire sold the most burgers.
- D Best Burger sold the most burgers.