Grade 5

AVAILABLE IN SPANISH

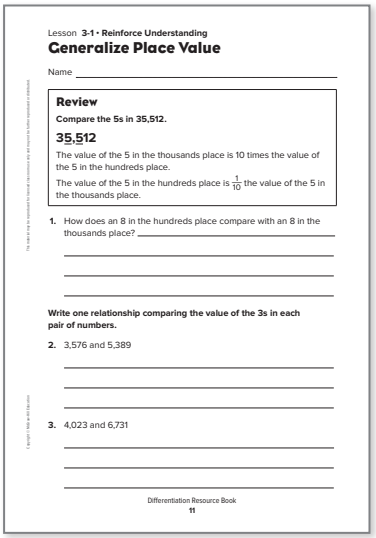
Reveal MATH®

Differentiation **Sampler**

Mc Graw Hill

Differentiation Resource Book

Every lesson includes pages to Reinforce Understanding and Extend Thinking to support lesson differentiation. These are available to print digitally as well. Additional differentiation resources are available digitally and within the Workstation Kit.



Lesson 3-1 • Reinforce Understanding

Generalize Place Value

Name _____

Review

Compare the 5s in 35,512.

35,512

The value of the 5 in the thousands place is 10 times the value of the 5 in the hundreds place.

The value of the 5 in the hundreds place is $\frac{1}{10}$ the value of the 5 in the thousands place.

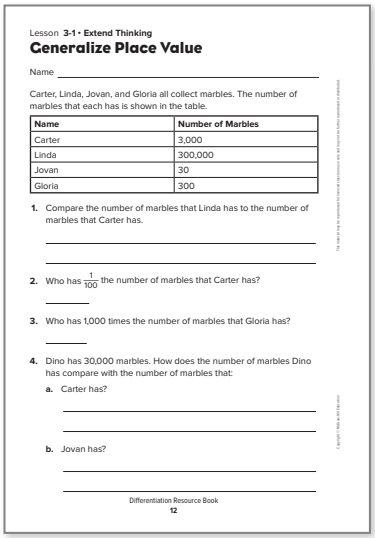
1. How does an 8 in the hundreds place compare with an 8 in the thousands place? _____

Write one relationship comparing the value of the 3s in each pair of numbers.

2. 3,576 and 5,389

3. 4,023 and 6,731

Differentiation Resource Book 11



Lesson 3-1 • Extend Thinking

Generalize Place Value

Name _____

Carter, Linda, Jovan, and Gloria all collect marbles. The number of marbles that each has is shown in the table.

Name	Number of Marbles
Carter	3,000
Linda	300,000
Jovan	30
Gloria	300

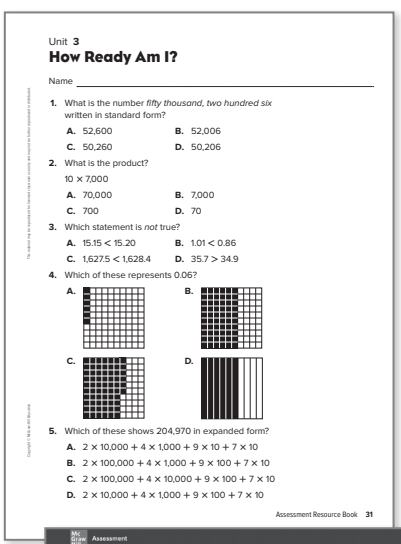
1. Compare the number of marbles that Linda has to the number of marbles that Carter has.

2. Who has $\frac{1}{100}$ the number of marbles that Carter has?

3. Who has 1,000 times the number of marbles that Gloria has?

4. Dino has 30,000 marbles. How does the number of marbles Dino has compare with the number of marbles that:
   a. Carter has?
   b. Jovan has?

Differentiation Resource Book 12



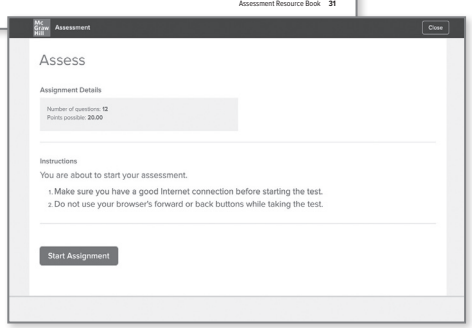
Unit 3

How Ready Am I?

Name _____

1. What is the number *fifty thousand, two hundred six* written in standard form?
   A. 52,600 B. 52,006
   C. 50,260 D. 50,206
2. What is the product?
   10 × 7,000
   A. 70,000 B. 7,000
   C. 700 D. 70
3. Which statement is *not* true?
   A. 15.15 < 15.20 B. 1.01 < 0.86
   C. 1,627.5 < 1,628.4 D. 35.7 > 34.9
4. Which of these represents 0.06?
   A. B. C. D.
5. Which of these shows 204,970 in expanded form?
   A. 2 × 10,000 + 4 × 1,000 + 9 × 10 + 7 × 10
   B. 2 × 100,000 + 4 × 1,000 + 9 × 100 + 7 × 10
   C. 2 × 100,000 + 4 × 10,000 + 9 × 100 + 7 × 10
   D. 2 × 10,000 + 4 × 1,000 + 9 × 100 + 7 × 10

Assessment Resource Book 31



Assessment Resource Book

The Assessment Resource Book provides the following resources. Assessments can be completed in print or digitally.

COURSE ASSESSMENTS

Course Diagnostic assesses student's readiness for grade-level content as they enter a new school year.

Benchmark Assessments help monitor student progress towards grade-level expectations.

Summative Assessment evaluates student learning at the end of each grade level.

UNIT ASSESSMENTS

Unit Readiness Diagnostics assess each student's proficiency with pre-requisite skills to determine readiness for the unit content.

Unit Assessments measure multiple depths of knowledge to assess for various stages of understanding. Two forms of the assessment allow for flexibilty.

Performance Tasks assess students' understanding of big ideas and their ability to apply unit content to solve real-world problems. In addition, practice performance tasks are available as part of the unit review materials.

LESSON ASSESSMENTS

Exit Tickets assess student understanding of lesson content and drive differentiation.

Differentiation Resource Book

SAMPLE

Unit 3: Place Value and Number Relationships

- Reinforce Understanding
- Extend Thinking

Generalize Place Value

Name _____

Review

Compare the 5s in 35,512.

35,512

The value of the 5 in the thousands place is 10 times the value of the 5 in the hundreds place.

The value of the 5 in the hundreds place is $\frac{1}{10}$ the value of the 5 in the thousands place.

1. How does an 8 in the hundreds place compare with an 8 in the thousands place? _____

Write one relationship comparing the value of the 3s in each pair of numbers.

2. 3,576 and 5,389

3. 4,023 and 6,731

Generalize Place Value

Name _____

Carter, Linda, Jovan, and Gloria all collect marbles. The number of marbles that each has is shown in the table.

Name	Number of Marbles
Carter	3,000
Linda	300,000
Jovan	30
Gloria	300

1. Compare the number of marbles that Linda has to the number of marbles that Carter has.

_____

_____

2. Who has $\frac{1}{100}$ the number of marbles that Carter has?

_____

3. Who has 1,000 times the number of marbles that Gloria has?

_____

4. Dino has 30,000 marbles. How does the number of marbles Dino has compare with the number of marbles that:

a. Carter has?

_____

_____

b. Jovan has?

_____

_____

Extend Place Value to Decimals

Name _____

Review

Compare the 9s in 9.987.

9.987

The value of the 9 in the ones place is 10 times the value of the 9 in the tenths place.

The value of the 9 in the tenths place is $\frac{1}{10}$ the value of the 9 in the ones place.

1. How do the 7's in the number 5.779 compare to one another?

2. How do the 2's in the number 2.235 compare to one another?

3. How does the 3 in 6.983 compare to the 3 in 2.138?

Extend Place Value to Decimals

Name _____

Melinda, Penelope, Donovan, and Alexander are practicing for a race. The table shows the distance each of them ran this week.

Name	Distance in Miles
Melinda	6.271
Penelope	21.867
Donovan	7.128
Alexander	18.562

1. Whose distance has the number 2 with a value 100 times the value of the number 2 in Alexander's distance? _____

2. Whose distance has the number 1 with a value $\frac{1}{100}$ the value of the number 1 in Donovan's distance? _____

3. How does the 2 in the distance Penelope ran compare with the 2 in the distance Donovan ran? _____

_____

_____

4. How does the 6 in the distance Penelope ran compare with the 6 in the distance Melinda ran? _____

_____

5. Diego is also practicing for the race. The number of miles he ran has a 7 with the value 10 times the value of the 7 in the distance Melinda ran, a 2 with the value $\frac{1}{1000}$ the value of the 2 in the distance Penelope ran, an 8 with the value 1,000 times the value of the 8 in the distance Donovan ran, and a 5 with the value $\frac{1}{100}$ the value of the 5 in the distance Alexander ran. What is a possible distance Diego ran? _____

Read and Write Decimals

Name _____

Review

Decimal numbers can be written in standard form, word form, and expanded form.

Standard form: 12.528

Word form: twelve and five hundred twenty-eight thousandths

Expanded form: $10 + 2 + 0.5 + 0.02 + 0.008$

$$10 + 2 + \frac{5}{10} + \frac{2}{100} + \frac{8}{1000}$$

Notice the word and goes where the decimal point is when reading a decimal number or writing a decimal number in word form.

Write each of the expressions in standard form.

1. forty-two and seventy-three hundredths _____

2. $58 + 0.1 + 0.03 + 0.009$ _____

Write each of the expressions in word form.

3. 89.058 _____

4. $70 + 1 + \frac{4}{10} + \frac{3}{100} + \frac{7}{1000}$

Write each of the expressions in expanded form.

5. ninety-seven and five hundred forty-eight thousandths

6. 2.064 _____

Read and Write Decimals

Name _____

The table shows the weight of Martin's textbooks.

Textbook	**Weight (lb)**
Math	$3 + \frac{2}{10} + \frac{8}{100}$
English	3.208
History	3 + 0.02 + 0.008
Science	three and twenty-eight hundredths

1. Which two books weigh the same amount?

_____

2. Which book(s) weigh(s) 3.28 pounds?

_____

3. Which book(s) weigh(s) 3.028 pounds?

_____

4. Which book(s) has/have a 2 in the tenths place?

_____

_____

5. Which book(s) has/have a 2 in the hundredths place?

_____

6. Which book(s) has/have an 8 in the hundredths place?

_____

Lesson **3-4 • Reinforce Understanding**

Compare Decimals

Name _____

Review

When comparing decimals, go from left to right comparing digits in the same place.

$$\begin{array}{c} 7.156 \\ \uparrow\ \uparrow\ \uparrow \\ ==< \\ \downarrow\ \downarrow\ \downarrow \\ 7.183 \end{array}$$

$$5 < 8$$

$$7.156 < 7.183$$

Circle the words that complete each mathematical sentence.

1. 5.783 is greater than / less than / equal to 5.781.
2. 0.45 is greater than / less than / equal to 0.450
3. 19.06 is greater than / less than / equal to 19.058.
4. 7.23 is greater than / less than / equal to 0.723.

Select the true statement.

5. **A.** $1.568 < 1.497$
   B. $3.589 < 4.089$
   C. $0.56 > 3.1$
   D. $0.025 > 0.03$

6. **A.** $2.567 > 2.576$
   B. $12.3 < 12.039$
   C. $6.75 < 6.706$
   D. $9.5 > 9.050$

Compare Decimals

Name _____

The table shows the distance Kendal drove each day on his trip.

Day	Distance (miles)
Monday	200 + 50 + 8 + 0.5 + 0.03
Tuesday	258.6
Wednesday	two-hundred fifty-eight and four hundred six thousandths
Thursday	200 + 40 + 9 + 0.8 + 0.009
Friday	two-hundred forty-nine and nine tenths

1. On which day did Kendal drive the least number of miles? _____

2. On which day did Kendal drive the greatest number of miles? _____

3. Did Kendal drive more or less miles on Monday than he did on Tuesday? _____

4. Write a comparison statement using the distances Kendal traveled on Tuesday and Wednesday. Write the numbers in standard form and use <, >, or =.

_____

5. Write a comparison statement using the distances Kendal traveled on Thursday and Friday. Write the numbers in standard form and use <, >, or =.

_____

6. Put the distances Kendal drove in order from least to greatest in standard form. _____

_____

Use Place Value to Round Decimals

Name _____

Review

When rounding decimals, look to the number that is to the right of the place you are rounding. Round 5.842 to the nearest tenth.

5. 8 4 2

tenths

The 4 rounds the number down to 5.8.

Rounding Tip: If the number is 5 or greater, round up. If less than 5, round down.

To round to the nearest tenth, look at the hundredths place.

The number of hundredths is less than 5. Round down to 5.8

Complete each mathematical sentence.

1. When rounding to the nearest whole number, look to the number in the _____ place.
2. When rounding to the nearest hundredth, look to the number in the _____ place.

Round the numbers to the nearest whole number.

3. 7.456 _____ **4.** 0.573 _____

Round the numbers to the nearest tenth.

5. 16.785 _____ **6.** 49.02 _____

Round the numbers to the nearest hundredth.

7. 3.495 _____ **8.** 2.371 _____

Use Place Value to Round Decimals

Name _____

Quentin drives 632.074 miles from Sacramento, California to Las Vegas, Nevada one day and then drives 632.32 miles from Las Vegas to Santa Fe, New Mexico the next day.

1. **a.** When rounded to the nearest whole number, which day did Quentin drive the greater distance? _____

b. When rounded to the nearest tenth, which day did Quentin drive the greater distance? _____

2. **a.** Round the distance Quentin traveled on the first day to the nearest tenth. _____

b. Round the distance Quentin traveled on the first day to the nearest hundredth. _____

c. Which number is greater? _____

3. If the distance Quentin traveled on the first day was rounded to 632.074, what is a possible distance he could have traveled on that day?

_____

_____

4. If the distance Quentin traveled on the second day was rounded to 632.32, what is a possible distance he could have traveled on that day?

_____

_____