NTID

Mrs. Lafferty

6th Grade

Week: 4

Name _____Date _____

Lesson 1   Reteach

Round Decimals

When you round a decimal, you find its approximate value.

Step 1	Underline the digit in the place to be rounded.
Step 2	Look at the digit to the right of the underlined digit. If it is 4 or less, the underlined digit stays the same. If it is 5 or greater, add 1 to the underlined digit.
Step 3	Drop all digits to the right of the rounded digit.

Round 287.63 to the nearest whole number.

Step 1: Underline the digit in the place to be rounded: _____

Step 2: Look at the digit to its right. Is it 4 or less or 5 or greater? _____

Step 3: The rounded number is: _____

Round 67.01 to the nearest tenth.

Step 1: Underline the digit in the place to be rounded: _____

Step 2: Look at the digit to its right. Is it 4 or less or 5 or greater? _____

Step 3: The rounded number is: _____

Round each decimal to the place indicated.

1. 45.833; hundredths _____

2. 89.36; ones _____

3. 2.88; tenths _____

4. 76.238 hundredths _____

5. 90.763; ones _____

6. 0.337; hundredths _____

7. 2.7; ones _____

8. 55.23; tenths _____

Name _____Date _____

Lesson 1   Enrich

Round Decimals

Day 17

Mercury has the fastest orbit of all the planets. It circles the Sun at about
30 miles per second. At this speed, it takes about 88 Earth days for
the planet to orbit the Sun. The table below shows the average orbital
speeds of the five fastest planets, rounded to the nearest tenth.

Planet	Orbital Speed (miles/second)
Earth	18.5
Jupiter	8.1
Mars	14.5
Mercury	29.8
Venus	21.8

Circle the most reasonable orbital speed for each planet.

1. Mercury

   29.08 mi/s   29.70 mi/s   29.75 mi/s   29.85 mi/s

2. Earth

   17.95 mi/s   18.05 mi/s   18.51 mi/s   18.55 mi/s

3. Venus

   20.80 mi/s   21.18 mi/s   21.74 mi/s   21.76 mi/s

4. Jupiter

   8.01 mi/s   8.12 mi/s   8.17 mi/s   8.21 mi/s

5. Mars

   14.51 mi/s   14.56 mi/s   15.04 mi/s   15.40 mi/s

6. Which is a more reasonable description of the time it takes Mercury
   to orbit the Sun: 88.76 Earth days or 87.96 Earth days?

   _____

7. It takes Jupiter about 11.9 Earth years to complete one orbit around
   the Sun. Which is a more reasonable description of this time:
   11.862 Earth years or 11.849 Earth years? _____

Day 18

Lesson 6   Reteach

Add Decimals

Find 3.25 + 12.6 + 18.93.

Step 1
 	
  03.25
  12.60
+ 18.93
	Line up the decimal points. Write an equivalent decimal if necessary.

Step 2
 	
  1 1
  03.25
  12.60
+ 18.93
  3478
	Add as you would add whole numbers. Regroup if necessary.

Step 3
 	
  1 1
  03.25
  12.60
+ 18.93
  34.78
	Place the decimal point.

Add.

1. $0.9 + 6.7 =$ _____

2. $3.1 + 9.4 =$ _____

3. $4.88 + 8.19 =$ _____

4. $14.05 + 9.2 =$ _____

5. $6.08 + 0.22 =$ __**6.3**__

6. $9.14 + 5.2 + 7.99 =$ __**22.33**__

7.   5.07
 + 2.80

8.   6.37
 + 2.96
   9.33

9.   14.2
 + 9.86

10.   13.45
 + 5.01
   18.4

Lesson 6   Enrich

Add Decimals

Find each sum. Match your sums with the numbers at right. Write
the letter on the line next to the corresponding sum. Letters can be
used more than once. Read the letters from top to bottom to find the
hidden message.

	Sum	Matching Letter	
1. $327.1 + 625.8$	_____	_____	**Y** 2,183
2. $915.62 + 37.18$	_____	_____	**K** 126.89
3. $126.7 + 43.3$	_____	_____	**B** 126.43
4. $905.8 + 47.1$	_____	_____	**C** 952.9
5. $87.64 + 39.25$	_____	_____	**W** 2,190
6. $1,379.51 + 803.49$	_____	_____	**U** 169.89
7. $412.6 + 1,770.3$	_____	_____	**X** 324
8. $112.71 + 57.18$	_____	_____	**O** 2,182.9
9. $94.61 + 75.4$	_____	_____	**R** 170.01
10. $1,246.31 + 943.69$	_____	_____	**A** 421.6
11. $1,876.6 + 306.3$	_____	_____	**H** 952.8
12. $97.51 + 72.5$	_____	_____	**E** 170
13. $79.65 + 47.24$	_____	_____	**I** 3,412

14. What is the message?

_____

_____

Name _____ Date _____

Lesson 7   Reteach

Addition Properties

On Monday, Simone did math homework for 30 minutes and science homework for 20 minutes. On Tuesday, she did science homework for 20 minutes and math homework for 30 minutes. On which day did she spend more time doing homework?

In this situation, the order in which Simone did math and science homework did not change the total amount of time she spent on homework.

This is an example of the *Commutative Property of Addition*. The definition of this property and other properties of addition appear below.

Commutative Property of Addition: The order in which numbers are added does not change the sum.

Associative Property of Addition: The way in which numbers are grouped does not change the sum.

Identity Property of Addition: The sum of any number and 0 equals the number.

Identify the addition property used to rewrite each problem.

1. $21 + 36 + 17 = 36 + 17 + 21$

   _____

2. $(5 + 9) + 2 = 5 + (9 + 2)$

   _____

3. $46.8 + 0 = 46.8$

   _____

4. $77 + (31 + 15) = (77 + 31) + 15$

   _____

5. $46 + 13 + 8 = 13 + 8 + 46$

   _____

6. $15 + 0 = 15$

   _____