Name:	#: Test Date:
Parent Signature:	
signed and completed study guide +5 points on asse	essment)
Fifth Grade: Decimal P	lace Value Study Guide
In this unit, you learned to:	
Read and write decimals in standard and word form	
Expand decimals, for example: $80.63 = (8 \times 10) + (6 \times 10)$	0.1) + (3 x 0.01) or (8 x 10) + (6 x $\frac{1}{10}$) + (3 x $\frac{1}{100}$)
Understand powers of 10 (multiply and divide by pov	vers of 10 and exponents)
Round decimals, for example: 6.274 rounded to the n	earest tenth is 6.3
Compare decimals, for example: 3.47 > 3.096	
Add and subtract decimals, for example: 20.08 + 5.15	5 = 25.23
Directions: Use the above skills to answer/solve the p	roblems below.
In Class Practice:	At Home Practice:
Read and Write Decimals	Read and Write Decimals
Write the standard form for each of the following decimals:	Write the standard form for each of the following decimals:
a. one and twenty eight hundredths =	a. two and eight tenths =
b. twenty four and six tenths =	b. eleven and forty five thousandths =
c. one hundred forty six thousandths =	c. six seven hundredths =
Write the following decimals in word form:	Write the following decimals in word form:
a. 45.7 =	a. 0.067 =
b. 3.07 =	b. 56.8 =
c. 0.234 =	c. 0.905 =

Expand Decimals	Expand Decimals
Write the following in standard form : a. (5 x 1,000) + (2 x 100) + (8 x 10)	Write the expanded exponential form using powers of ten for the following: a. 56
b. $(9 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (6 \times \frac{1}{1,000})$	b. 7,909
Write the expanded exponential form using powers of ten for the following: a. 3,456	c. 3,061
b. 672	Write the following in expanded form with decimals: a. 0.78 =
c. 112	b. 2.41 = c. 0.639 =
Powers of 10 and Exponents	Powers of 10 and Exponents
How does the value of the 4 in 4,078 compare to the value of the 4 in 6,143? Explain your reasoning.	What is the value of the number 2 in each digit? a. 3,323 = b. 3,233 = c. 3,332 = d. 2,333 =
Which of the following answer choices is the correct expression for 4×700 ? a. 28×10^{1} b. $(4 \times 7) \times 10^{3}$	Write the power of ten for each of the following: a. 10 = b. 100 = c. 1,000 = d. 10,000 =

c.
$$28 \times 10^3$$

d.
$$(4 \times 7) \times 10^2$$

Solve.

What is the correct expression for 2×60 ?

Solve.

a.
$$45.7 \times 10^3 =$$

b.
$$6.3 \div 10^2 =$$

Rounding Decimals

Which of the following is 8.45 rounded to the nearest tenth?

- a. 8.4
- b. 8.501
- c. 8.5
- d. 8.45

Round the following decimals to the nearest **whole number.**

Rounding Decimals

Which of the following is 9.780 rounded to the nearest hundredth?

- a. 9.781
- b. 10
- c. 9.78
- d. 9.9

Which of the following is 80.438 rounded to the nearest <u>hundredth</u>?

- a. 80.44
- b. 80.4
- c. 80.43
- d. 80.45

Compare Decimals

Which of the following decimals is greater than 0.66 but less than 0.77?

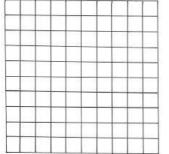
- a. 0.667
- b. 0.63
- c. 0.774
- d. 0.79

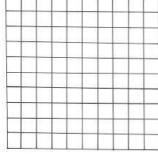
Circle the following answer choices that are true:

- a. 4.5 > 7.90
- b. 0.89 < 1.01
- c. 5.7 = 5.70

Compare Decimals

Shade the grids to represent each decimal, then use an **inequality sign** to show their relationship.

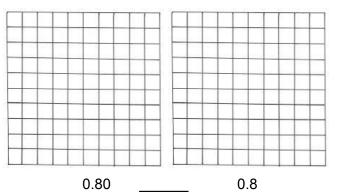




0.04

0.43

Write an **inequality sign** for each blank:



Adding and Subtracting Decimals

Estimate.

Solve.

Adding and Subtracting Decimals

Solve.

Three friends get together one day to lift weights. The amount of weight each friend lifted is listed below. What is the total amount of weight lifted between the three friends?

Eric 30.78 lbs Samuel 45.11 lbs Derek 27.990 lbs

Total: _____ lbs