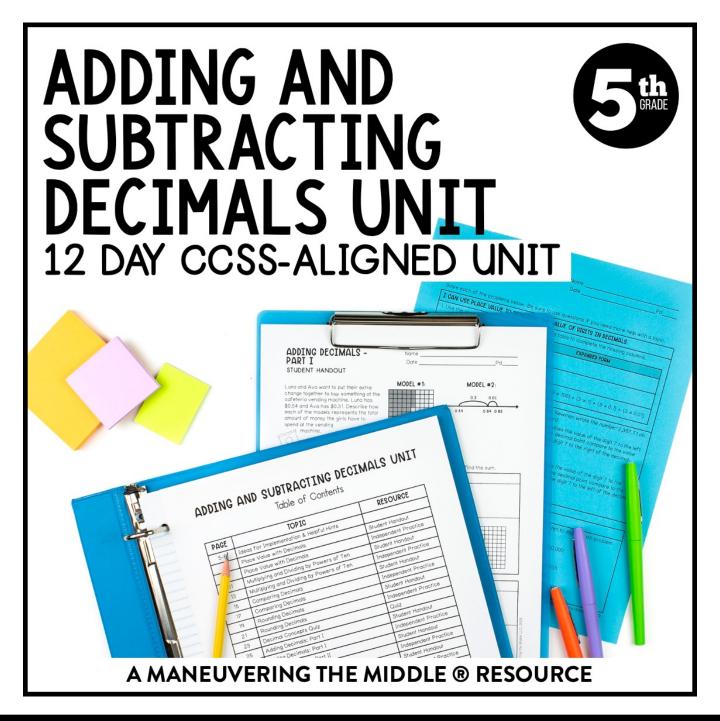
learning focus:

- compare and round decimals to the thousandths
- add and subtract decimals using models and the standard algorithm in mathematical and real-world situations
- multiply and divide by powers of ten



ADDING AND SUBTRACTING DECIMALS

5 th GRADE

a 12 day CCSS-aligned unit CCSS: 5.NBT.1, 5.NBT.2, 5.NBT.3a, 5.NBT.4, 5.NBT.7

ready-to-go, scaffolded student materials

ADDING AND SUBTRACTING DECIMALS UNIT

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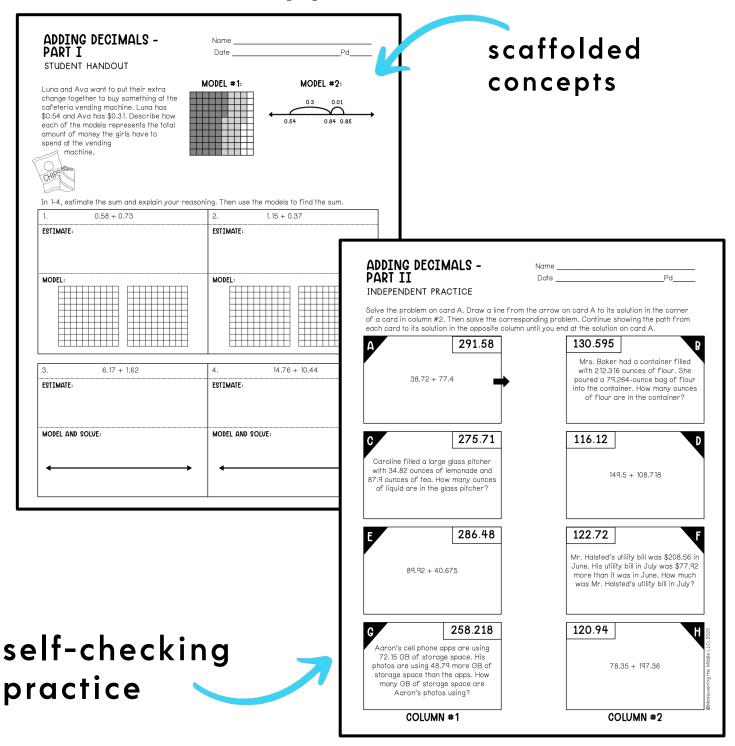
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ADDING AND SUBTRACTING DECIMALS

5 th GRADE

a 12 day CCSS-aligned unit CCSS: 5.NBT.1, 5.NBT.2, 5.NBT.3a, 5.NBT.4, 5.NBT.7

student friendly + real-world application



A MANEUVERING THE MIDDLE® RESOURCE

ADDING AND SUBTRACTING DECIMALS

5th GRADE

a 12 day CCSS-aligned unit CCSS: 5.NBT.1, 5.NBT.2, 5.NBT.3a, 5.NBT.4, 5.NBT.7

unit study guide + assessments

DECIMAL CONCEPTS QUIZ	Name Date	Pd	qu	iz	Z€	2 S				
Answer the questions below. Be sure to sho	ow your work. Ans	swers								
1. What number has the same value as 0.083	3 ÷ 10 ² ?	wers	ed	it	ak	عاد	7 [ın	it	t e
a. 83 b. 0.0083 c. 0.00083 d. 83,000 2. Which of the following comparisons is a. 7.115 > 7.203 b. 8.32 > 8.279 c. 6.02 = 6.020 d. 5.005 < 5.05	ADDING AND SUBTRACT DECIMALS UNIT REVIEW Solve each of the problems below. Be I CAN USE PLACE VALUE TO REPRESE	Datesure to ask questions if you need mon	re help with	_Pd h a topic						
Answer the questions below. Be sure to	Use the given representation in each NUMBER WORDS	Trow of the table to complete the mis	sing colum	iris.						
4. Nadir and Zachary solved the problem	2. Circle the name of the student wh correct representation of the numbe Then, rewrite the other representation correctly. PRITTON MOL three ninety thousa	PLACE VALUE WITDECIMALS STUDENT HANDOUT Sasha is going to buy a chair for owes the seller \$343 for the chair of the chair	r her offic air and will s as possi 2 \$20 bills, air using e dreds and	I pay with ble, list to and 3 \$ expanded the second	Date dans to put have hard he number of hotels. It bills.	pay using eds, tens ber of e	g cash. S s and one ach bill S do the 3s s 3 ones	es. Sasha wil s in the c	Il need.	<u>t_</u> ,
a. $(3 \times 1,000) + (2 \times 10) + (7 \times 1) + (4 \times 1)$ b. $(3 \times 1,000) + (2 \times 100) + (7 \times 1) + (4 \times 1)$ c. $(3 \times 1,000) + (2 \times 100) + (7 \times 10) + (4 \times 1)$ d. $(3 \times 1,000) + (2 \times 100) + (7 \times 1) + (4 \times 1)$	I CAN MULTIPLY AND DIVIDE WITH 4. Apply your understanding of multiple on the left with its solution on the rig i. 0.035 × 103	consider the value of digits to both the left and the right of the decimal by filling in the numerical value of each position.		HONDREDS 0001	10 10	ONES 1		0.1	10.00 1000	0.001 1 1,000
b. $(3 \times 1,000) + (2 \times 100) + (7 \times 1) + (4 \times 1,000) + (2 \times 100) + (7 \times 10) + (4 \times 1,000) + (4 \times 1,0$	4. Apply your understanding of multipon the left with its solution on the rig	consider the value of digits to both the left and the right of the decimal by filling in the numerical value of each position. Observe how the value in the oplace to the hundreds place. The a. The value of any digit b. The value of any digit	1,000 1,000 1,000 nes place of en summa is 10 time is $\frac{1}{10}$ the v	100 100 comparerize the es greate es greate value of	10 10 es to the patterns or than the digital the dig	1 1 tens places to commende value to its _	plete the of the c	0.1 1 10 t, compa e sentence digit to its	0.01 1 100 re the tees below rig	0.001 1 1,000 ns v: ht
b. (3 × 1,000) + (2 × 100) + (7 × 1) + (4 × c. (3 × 1,000) + (2 × 100) + (7 × 10) + (4 d. (3 × 1,000) + (2 × 100) + (7 × 1) + (4 × 100) + (7 × 1) + (4 × 100) + (7 × 1) + (4 × 100) + (100) +	4. Apply your understanding of multi on the left with its solution on the rig i. 0.035 × 10 ³ ii. 335,000 ÷ 10 ² iii. 3,350 × 10 ⁴	consider the value of digits to both the left and the right of the decimal by filling in the numerical value of each position. Observe how the value in the oplace to the hundreds place. The a. The value of any digit b. The value of any digit In 1-3, apply your understanding	1,000 1,000 1,000 nes place of en summa is 10 time is $\frac{1}{10}$ the v	100 100 comparerize the es greate es greate value of	10 10 10 es to the pattern: er than the digi	1 1 te tens places to community to its _	plete the of the o	0.1 1 10 t, compa e sentence digit to its	0.01 1 100 re the tees below rig	0.001 1 1,000 ns v: ht
b. (3 × 1,000) + (2 × 100) + (7 × 1) + (4 × c. (3 × 1,000) + (2 × 100) + (7 × 10) + (4 d. (3 × 1,000) + (2 × 100) + (7 × 1) + (4 × 100) + (7 × 1	4. Apply your understanding of multi on the left with its solution on the rig i. 0.035 × 10 ³ ii. 335,000 ÷ 10 ² iii. 3,350 × 10 ⁴	consider the value of digits to both the left and the right of the decimal by filling in the numerical value of each position. Observe how the value in the oplace to the hundreds place. The a. The value of any digit b. The value of any digit	1,000 1,000 1,000 nes place of en summa is 10 time is $\frac{1}{10}$ the v	100 100 comparerize the es greate value of value to val	10 10 es to the pattern: er than the digi	1 1 tens places to commende value to its _	plete the of the o	0.1 1 10 t, compa e sentence digit to its	0.01 1 100 re the tees below rig	0.001 1 1,000 ns v: ht
b. $(3 \times 1,000) + (2 \times 100) + (7 \times 1) + (4 \times 1,000) + (2 \times 100) + (7 \times 10) + (4 \times 1,000) + (4 \times 1,0$	4. Apply your understanding of multi on the left with its solution on the rig i. 0.035 × 10 ³ ii. 335,000 ÷ 10 ² iii. 3,350 × 10 ⁴	consider the value of digits to both the left and the right of the decimal by filling in the numerical value of each position. Observe how the value in the oplace to the hundreds place. The a. The value of any digit b. The value of any digit in 1-3, apply your understanding NUMBER 96.02	1,000 1,000 1,000 nes place of en summa is 10 time is $\frac{1}{10}$ the v	100 100 compare rize the ses greate value of value to value v	10 10 10 10 10 10 10 10 10 10	1 1 1 te tens plots to commende value to its _ ch numb DED FOR x 1) + (2	plete the confidence of the confidence using the confidence using the confidence confide	0.1 1 10 t, compa e sentencidigit to its expande	0.01 1 100 re the tees below rig	0.001 1 1,000 ns v: ht .

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