

Inclement Weather

RESOURCES



Mathematics
Grade 5

The Department of
Curriculum & Instruction



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Hello MSCS Family,

This resource packet was designed to provide students with activities that can be completed at home independently or with the guidance and supervision of family members or other adults. The activities are aligned with the TN Academic Standards for Mathematics and will provide additional practice opportunities for students to develop and demonstrate their knowledge and understanding.

A suggested pacing guide is included; however, students can complete the activities in any order over the course of several days. Below is a table of contents which lists each activity.

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Week 1: Round Decimal Numbers	
Grade Level Standard(s)	5.NBT.A.4 Round decimals to the nearest hundredth, tenth, or whole number using understanding of place value, and use a number line to explain how the number was rounded.
Caregiver Support Option	<p>The student may use a sibling or a guardian as a partner. For additional support, have the student access the video links below by logging into iReady from their Clever account.</p> <p>Video 1 Video 2</p>
Materials Needed	Recording Sheet, Colored pencil for Partner A, Colored pencil for Partner B
Question(s) to Explore	How can I use benchmark numbers to help me round?

Center Activity 5.13 ★★

Round Decimal Numbers

What You Need

- colored pencil for Partner A
- colored pencil in different color for Partner B
- Recording Sheet

Check Understanding

Which numbers round to 8.23?
Explain your reasoning.

8.227 8.224 8.231

What You Do

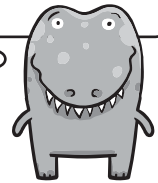
1. Take turns. Choose any number from the column on the left side of the **Recording Sheet**.
2. Decide which category the number goes with on the table to the right of the number—*Rounds to* or *Does Not Round to* the given number.
3. Say why you think your answer is correct.
4. If your partner agrees, write the number in the correct category. Score 1 point.
5. If your partner proves you are incorrect, your turn ends.
6. The first player to get 10 points wins.

I can use a benchmark number to help me round. The digit 5 is a benchmark.

0.5 is halfway between 0 and 1.0.

0.25 is halfway between 0 and 0.5.

I always round up at a halfway point.



Go Further!

Copy the six decimal numbers from the last table on the **Recording Sheet** onto a separate sheet of paper. Underline the digits in the hundredths place. Round each number to the nearest tenth.



Round Decimal Numbers

5.634
5.714
5.678
5.578
5.509
5.539

Rounds to 5.6	Does Not Round to 5.6

8.306
8.429
8.37
8.351
8.044
8.412

Rounds to 8.4	Does Not Round to 8.4

0.313
0.324
0.327
0.319
0.302
0.318

Rounds to 0.32	Does Not Round to 0.32

6.402
6.387
6.329
6.383
6.309
6.392

Rounds to 6.39	Does Not Round to 6.39



Week 2: Ten Times as Much as or One-Tenth of?	
Grade Level Standard(s)	5.NBT.A.1 Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and $\frac{1}{10}$ of what it represents in the place to its left.
Caregiver Support Option	The student may use a sibling or a guardian as a partner. For additional support, have the student access the video link below by logging into iReady from their Clever account. Video
Materials Needed	Recording Sheet
Question(s) to Explore	Will a number that is 10 tens times as much as Number A have more zeros or less zeros?

Center Activity 5.7 ★★

Ten Times as Much as or One-Tenth of?

What You Need

- Recording Sheet

Check Understanding

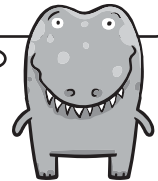
Write the number that is 10 times as much as each number and the $\frac{1}{10}$ of each number.

30, 600, 0.5

What You Do

1. Take turns. Choose a number in the first column on the **Recording Sheet**.
2. Look at the number in the second column. Decide if that number is 10 times as much as (or $\frac{1}{10}$ of) your number. Explain your reasoning.
3. If your partner agrees, write T for True or F for False. If you write F, say what the number should be. If your partner agrees, write the correct number in the "Should be..." column.
4. Repeat until all the rows are completed.

Will a number that is 10 times as much as Number A have more zeros or less zeros?



Go Further!

Circle the number in which the digit 2 has the least value. Write the number that is ten times as much as the circled number.

2.0 20 0.002

Circle the number in which the digit 6 has the greatest value. Write the number that is one-tenth of the circled number.

0.006 6,000 0.60



Ten Times as Much as or One-Tenth of?

Number A	10 × as Much as A =	True or False?	Should be ...
40	400		
0.05	50		
0.3	3		
2,000	200,000		
700	7,000		
Number B	$\frac{1}{10}$ of B =	True or False?	Should be ...
0.09	0.9		
6	0.6		
80	0.08		
0.7	0.07		
200	20		

Answer Key

Round Decimal Numbers

★★ Check Understanding

8.227, 8.231; Sample answer: 8.227 rounds to 8.23 because the 7 in the thousands place is greater than the benchmark number 5, so I round up. 8.231 rounds to 8.23 because the 1 in the thousandths place is less than 5, so I do not round up.

Recording Sheet

Rounds to 5.6: 5.634, 5.578; Does Not Round to 5.6: 5.714, 5.678, 5.509, 5.539

Rounds to 8.4: 8.429, 8.37, 8.351, 8.412; Does Not Round to 8.4: 8.306, 8.044

Rounds to 0.32: 0.324, 0.319, 0.318; Does Not Round to 0.32: 0.313, 0.327, 0.302

Rounds to 6.39: 6.387, 6.392; Does Not Round to 6.39: 6.402, 6.329, 6.383, 6.309

Understand Decimal Place Value

★★ Check Understanding

30: 300, 3; 600: 6,000, 60; 0.5: 5, 0.05

Recording Sheet

40: T

0.05: F; 0.5

0.3: T

2,000: F; 20,000

700: T

0.09: F; 0.009

6: T

80: F; 8

0.7: T

200: T