Inclement Weather

RESOURCES

Mathematics
Grade 4

The Department of
Curriculum & Instruction

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.

Table of Contents

Day 1: Rounding Whole Numbers	
Grade Level Standard(s)	**4.NBT.A.3** Round multi-digit whole numbers to any place (up to and including the hundred-thousand place) using understanding of place value and use a number line to explain how the number was rounded.
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	What do you think about when rounding to the nearest ten, hundred, thousand and/or ten thousand?

Center Activity 4.19 ★★

Rounding Whole Numbers

Check Understanding

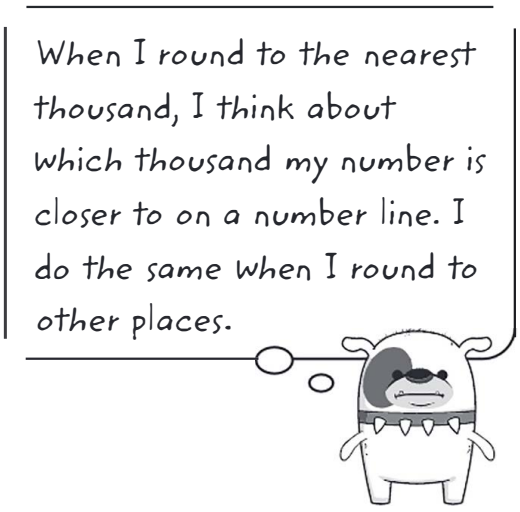
Round 36,271 to the nearest hundred.

What You Need

- Recording Sheet

What You Do

1. Take turns. Pick a number on the **Recording Sheet.**
2. Round the number to the nearest ten and the nearest hundred.
3. Your partner checks the answers. If correct, write them on the **Recording Sheet.** If not correct, work with your partner to correct them.
4. Your partner rounds the same number to the nearest thousand and ten thousand.
5. Check your partner's answers. If correct, he or she writes them on the **Recording Sheet.** If not correct, work with your partner to correct them.
6. Continue until the **Recording Sheet** is complete.



Go Further!

On a separate sheet of paper, write three numbers that round to 341,000. Exchange papers with your partner to check.

Center Activity 4.19 ★★ Recording Sheet

Partner A _____

Partner B _____

Rounding Whole Numbers

	Rounded to the nearest...			
Number	**Ten**	**Hundred**	**Thousand**	**Ten Thousand**
32,378				
427,963				
15,308				
72,346				
698,277				
359,203				
808,059				
15,583				
719,094				
607,418				

Day 2: Modeling Multi-Step Problems	
Grade Level Standard(s)	**4.OA.A.3** Solve multi-step contextual problems (posed with whole numbers and having whole-number answers using the four operations) including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity.
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 Video
Materials Needed	Recording Sheet
Question(s) to Explore	How can I represent multi-step problems?

Modeling Multi-Step Problems

What You Need

- Recording Sheet

Check Understanding

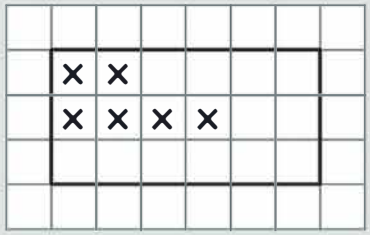
A book has 4 poems on each of 7 pages. Joe read 3 poems every day for 5 days. How many poems are left to read?

What You Do

1. Read aloud the first problem on the **Recording Sheet**.
2. Your partner draws a model of the problem.
3. Use the model to write and solve an equation for the problem.
4. Your partner checks your work and uses mental math or estimation to explain why the answer is reasonable or not.
5. Change roles and repeat the steps above for the second problem.

Example

Aiden earns $6 for mowing each of 3 lawns. He spends $2 for a snack and $4 for a notebook. How much money does Aiden have left?



$L = (3 \times 6) - (2 + 4)$

$L = 12$

Aiden has $12 left.

Go Further!

Write and solve a different equation for the problem in the example. Exchange papers with your partner to check your work.

Center Activity 4.5 ★★ Recording Sheet

Partner A _____

Partner B _____

Modeling Multi-Step Problems

Problem

Keisha puts 4 oranges into each of 5 baskets. She puts 6 lemons into each of 2 baskets. What is the total number of oranges and lemons in the baskets?

Model

_____

Equation

_____

Problem

Dave has 5 stamps from Asia, 4 stamps from Europe, and 10 stamps from Africa. He can fit 8 stamps on each page of his stamp book. How many pages of the book can he fill?

Model

_____

Equation

_____

I can draw a bar model, a number line, or an array to represent multi-step problems.

Answer Key

Rounding Whole Numbers

★★ **Check Understanding**

36,300

Recording Sheet

Number	Ten	Hundred	Thousand	Ten Thousand
32,378	32,380	32,400	32,000	30,000
427,963	427,960	428,000	428,000	430,000
15,308	15,310	15,300	15,000	20,000
72,346	72,350	72,300	72,000	70,000
698,277	698,280	698,300	698,000	700,000
359,203	359,200	359,200	359,000	360,000
808,059	808,060	808,100	808,000	810,000
15,583	15,580	15,600	16,000	20,000
719,094	719,090	719,100	719,000	720,000
607,418	607,420	607,400	607,000	610,000

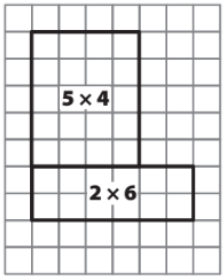
Modeling Multi-Step Problems

★★ **Check Understanding**

13 poems

Recording Sheet

Sample answer:

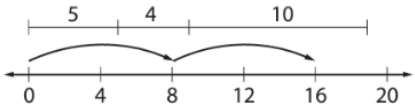


$T = (5 \times 4) + (2 \times 6)$

$T = 32$

32 oranges and lemons

Sample answer:



$P = (5 + 4 + 10) \div 8$

$19 \div 8 = 2\text{ R }3$

2 pages