WINTER BREAK LEARNING PACKET

MATH

2ND GRADE STUDENT

DEC 22ND – JAN 5TH

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: Word Problem Equation Match	
Grade Level Standard(s)	**2.OA.A.1** Add and subtract within 100 to solve one- and two-step contextual problems, with unknowns in all positions, involving situations of *add to*, *take from*, *put together/take apart*, and *compare*. Use objects, drawings, and equations with a symbol for the unknown number to represent the problem.
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 1 Video 2
Materials Needed	Recording Sheet
Question(s) to Explore	What strategy did you use to solve the problem?

Word Problem Equation Match

What You Need

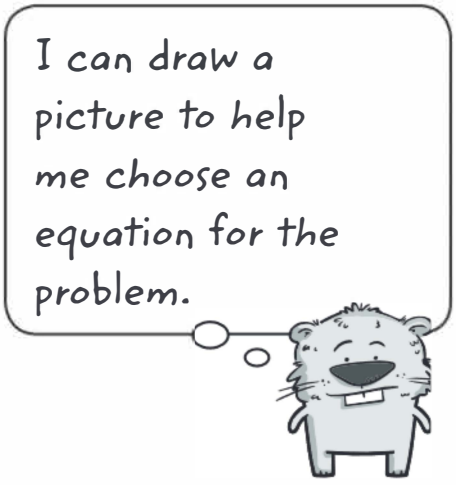
- Recording Sheet

Check Understanding

Write an equation to model this word problem. There are 14 children on the playground. There are 6 girls. How many boys are on the playground?

What You Do

1. Pick a word problem on the **Recording Sheet.** Read the problem.
2. Draw a line to an equation you could use to solve the problem.
3. Solve the problem. Write the answer to the question.
4. Your partner checks your answer.
5. Take turns until all the word problems have been solved.



Go Further!

Pick an equation on the **Recording Sheet.** Write a different word problem for the equation. Ask your partner to solve your problem.

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Partner A _____

Partner B _____

Word Problem Equation Match

Word Problems	Equations
There are 7 pencils in the cup and 5 pencils in the box. How many pencils are there in all?	$\square = 7 - 5$
Todd puts 7 marbles in the jar. Alex takes 5 marbles out of the jar. How many marbles are in the jar now?	$7 - \square = 4$
Ari has 7 crayons. He gives some crayons to his sister. Now he has 4 crayons. How many crayons does Ari give to his sister?	$7 + 5 = \square$
Norah has 4 pieces of chalk. This is 7 fewer pieces of chalk than Sam has. How many pieces of chalk does Sam have?	$5 + 4 = \square$
There are 4 more black markers than red markers in the bag. There are 5 red markers. How many black markers are there?	$\square - 7 = 4$

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Week 2: Use Array Vocabulary	
Grade Level Standard(s)	**2.OA.C.4** Use repeated addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends. For example*, a 3 by 4 array can be expressed as 3 + 3 + 3 + 3 = 12 or 4 + 4 + 4 = 12*.
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 1
Materials Needed	Recording Sheet
Question(s) to Explore	How can you use an array to find the total?

Use Array Vocabulary

What You Need

- Recording Sheet

Check Understanding

An array has 4 rows and 3 columns of stickers. Use vocabulary words about arrays to tell how to find the total.

What You Do

1. Read the problem on the **Recording Sheet.** Think about how to solve it.
2. Read the paragraphs that tell how to solve the problem.
3. Use words and numbers from the word bank and number bank to fill in the blanks.
4. Take turns. After you fill in a blank, your partner fills in the next one.
5. When all the blanks are filled in, read the paragraphs aloud. Do they make sense?
6. Fix any mistakes if you need to.

Go Further!

Draw an array. Write a sentence to tell someone about the array. Use the words in the word bank on the **Recording Sheet.**

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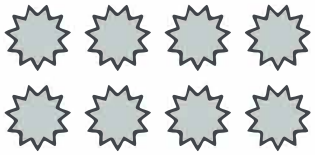
Partner A _____

Partner B _____

Use Array Vocabulary

How many stickers are in this array?



The stickers are grouped in an _____.

The array has 2 _____ and 4 columns.

There are an _____ number of stickers in each row. Each row has _____ stickers.

Each column has _____ stickers.

I can add _____ to find how many stickers there are. I can also _____ by twos to find the total. Count _____, _____, 6, _____.

There are 8 stickers in the array.

Word Bank
array
rows
columns
skip-count
sum
equal

Number Bank
2
4
8
4 + 4

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Answer Key

Word Problem Equation Match

★★ **Check Understanding**

Possible answer: 14 − 6 = ☐

Recording Sheet

There are 7 pencils in the cup and 5 pencils in the box. How many pencils are there in all? 7 + 5 = ☐; 12 pencils

Todd puts 7 marbles in the jar. Alex takes 5 marbles out of the jar. How many marbles are in the jar now? ☐ = 7 − 5; 2 marbles

Ari has 7 crayons. He gives some crayons to his sister. Now he has 4 crayons. How many crayons does Ari give to his sister? 7 − ☐ = 4; 3 crayons

Norah has 4 pieces of chalk. This is 7 fewer pieces of chalk than Sam has. How many pieces of chalk does Sam have? ☐ − 7 = 4; 11 pieces of chalk

There are 4 more black markers than red markers in the bag. There are 5 red markers. How many black markers are there? 5 + 4 = ☐; 9 black markers

Use Array Vocabulary

★★ **Check Understanding**

Possible answer: Since there are 4 rows and 3 columns in the array, I can add 3 + 3 + 3 + 3 to find the total. There are 12 stickers in this array.

Recording Sheet

The stickers are grouped in an **array.** The array has 2 **rows** and 4 columns. There are an **equal** number of stickers in each row. Each row has **4** stickers. Each column has **2** stickers.

I can add **4 + 4** to find how many stickers there are. I can also **skip-count** by twos to find the total. Count **2, 4,** 6, **8.**

There are 8 stickers in the array.