

Eureka Math

1st Grade Module 3 Lesson 10

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Directions for customizing presentations are available on the next slide.



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Reflecting your Teaching Style and Learning Needs of Your Students

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- The view now looks like Screen B.
- Within Google Slides (not Chrome), choose FILE.
- Choose MAKE A COPY and rename your presentation.
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- It is now editable & housed in MY DRIVE.



Icons



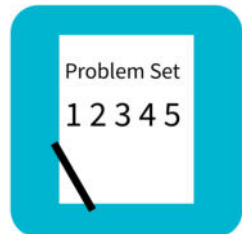
Read, Draw, Write



Learning Target



Personal White Board



Problem Set



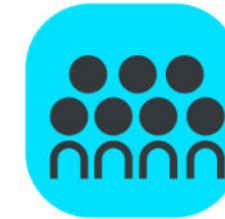
Manipulatives Needed



Fluency



Think Pair Share



Whole Class



Individual



Partner



Small Group



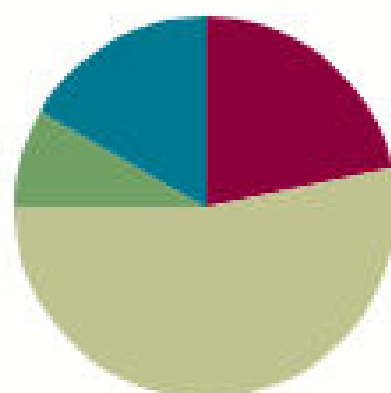
Small Group Time

Lesson 10

Objective: Collect, sort, and organize data; then ask and answer questions about the number of data points.

Suggested Lesson Structure

■ Fluency Practice	(13 minutes)
■ Application Problem	(5 minutes)
■ Concept Development	(32 minutes)
■ Student Debrief	(10 minutes)
Total Time	(60 minutes)



Materials Needed

(S) 1 die per pair

(T) enlarged Hide Zero cards (Lesson 2 Fluency Template 1)

(S) Personal white board

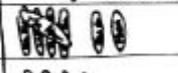
(S) 1 jumbo craft stick, marker (optional) (**Students will be writing the title of their favorite book on the craft stick**)

(S) personal white board

Important: (T) 3 pieces of chart paper for Concept Development

- Chart 1: Labeled “Favorite Read Aloud Books”
 - On this chart, students will put their craft stick with their vote in an **unorganized** way
- Chart 2: Labeled Favorite Read Aloud Books --include a blank table labeled with Number of Students and leave
 - This chart will show the favorite read aloud votes in a more organized way (see example to the right--but don't include book titles yet)
- Chart 3: Favorite Sports with a blank table labeled with Name of Sport and Number of Students

Favorite Read Aloud Books

Charlotte's Web	
The Wizard of Oz	
Stellaluna	

Number of Students

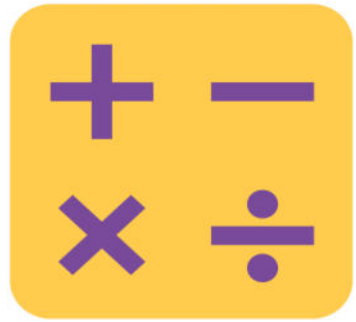
Students arrange popsicle sticks, first in rows and then adjust to tally marks.

Chart 2 with craft sticks arranged as tallies.

Note: Save these tables for reference in Lessons 11, 12, and 13 of this topic.



I can collect, sort, and organize data and then ask and answer questions about the number of data points.



Happy Counting

Let's do some Happy Counting!



Race and Roll Subtraction

Let's play Race and Roll Subtraction! You will play in partners!

1. Start at 20 and take turns rolling the die to subtract the number rolled from the total. (For example, Partner A rolls 3 and says, " $20 - 3 = 17$." Partner B rolls 2 and says, " $17 - 2 = 15$."
2. Continue rapidly rolling and saying number sentences until you reach 0, which you must hit precisely.
3. Partners stand when they reach 0. Repeat the game as time permits.



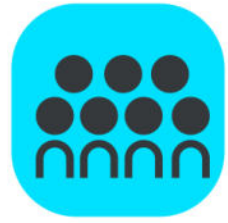
Subtraction Within 20

Let's practice subtraction with our Hide Zero cards!

Application Problem

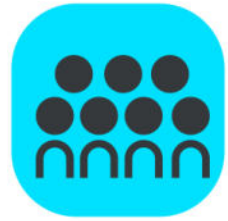
There were 14 items on the table to measure. I already measured 5 of them. How many more items are there to measure?





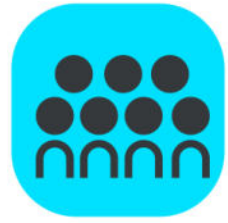
Concept Development

I want to find out which read aloud books you like the most from the ones we have read together. Can you name some of the books we've read?



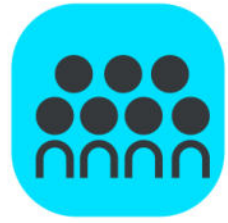
Concept Development

Let's collect some information, or data, to find out how many students like which books the most. How should we collect our data?



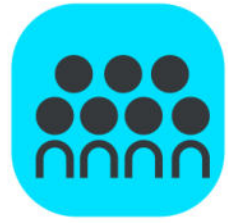
Concept Development

I heard some of you say we can ask each student, and then write the names down next to the book title. Call out each title, and ask us to raise our hands if it is our favorite book.



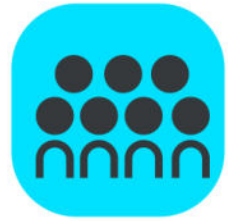
Concept Development

Each of you has a craft stick. Decide which book you like the most out of these three choices. Then, write the name of the book on the craft stick. Come up to this chart, and place your stick anywhere on the chart.



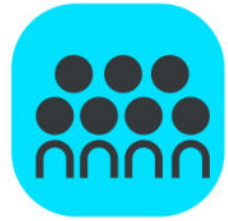
Concept Development

Wow, this chart is filled with a lot of craft sticks! How many students liked Book A?



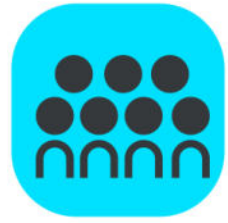
Concept Development

I heard many of you say you can't count that fast! You need more time.



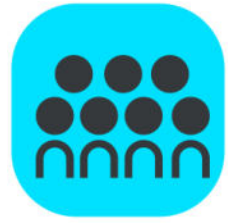
Concept Development

We have different answers, and some people didn't even get to finish counting!
How can we make counting these craft sticks easier?



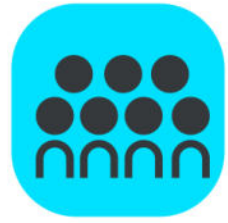
Concept Development

I heard you say that after we count each craft stick, take it off so we can keep track of which ones we have already counted. Get all the craft sticks for each book, and put them together. We should separate and sort them. We should organize these sticks by book titles!



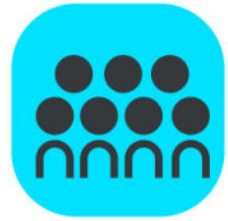
Concept Development

These are great ideas. I agree! Here is a table. It will help us organize our information or data.



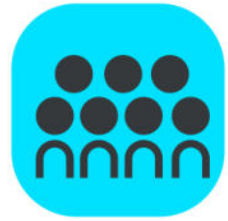
Concept Development

Now, is it easier to see?



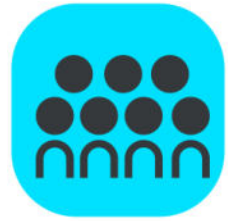
Concept Development

Yes it is! How can we organize the data so we can count more efficiently and see more easily?



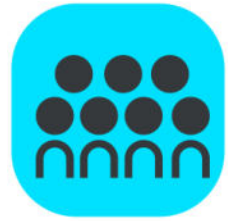
Concept Development

I heard some of you say we can group them by twos. We can also group them by fives or put them in 5-group rows!



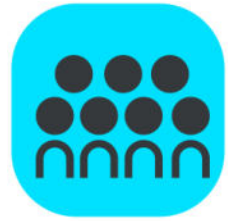
Concept Development

I love the idea of organizing them into groups of 5! In fact, we are going to arrange some of these sticks in a special way to show groups of 5. Help me count 5 sticks as I show you how this is done.



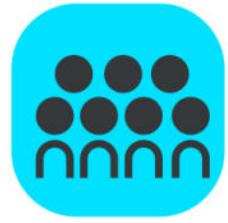
Concept Development

Stop! Since we have a group of 5 here, I'm going to take the fifth stick and lay it across the others. Show me in the air how this group of 5 is made as we count from 1 through 5 again.



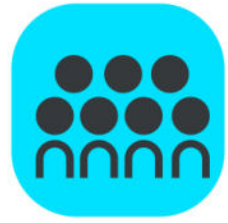
Concept Development

You just used tally marks. Tally marks come in groups of 5 where the fifth line always goes across the rest of the four lines. Let's continue with the rest of these sticks.



Concept Development

Great job organizing the data by sorting the information we collected. Now we can see and count our information more easily.



Concept Development

Let's collect more data!

Problem Set

1 2 3 4 5

Problem Set



A STORY OF UNITS

Lesson 10 Problem Set 1•3

Name _____ Date _____

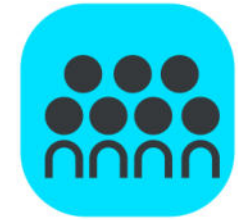
A group of people were asked to say their favorite color. Organize the data using tally marks, and answer the questions.



Red	
Green	
Blue	

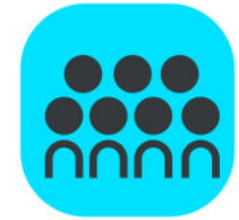
- How many people chose red as their favorite color? _____ people like red.
- How many people chose blue as their favorite color? _____ people like blue.
- How many people chose green as their favorite color? _____ people like green.
- Which color received the least amount of votes? _____
- Write a number sentence that tells the total number of people who were asked their favorite color.

Debrief



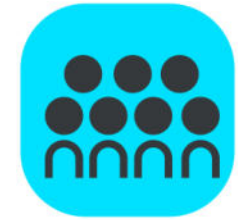
How is making a table helpful when we are looking at a lot of information?

Debrief



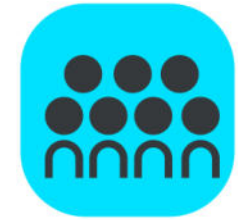
Why is sorting and organizing data important when you are making a table?

Debrief



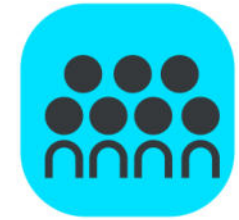
In what ways do tables help us see information in a quicker and easier way?

Debrief



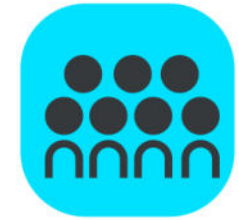
Share the problem you made up using the favorite sports table. Solve each other's questions and check your answers.

Debrief



How are 5-group rows and tally marks similar? How are they different?

Debrief



Why is using tally marks better than using 5-group rows when making a table?

Exit Ticket



Name _____ Date _____

A group of students were asked what they ate for lunch. Use the data below to answer the following questions.

Student Lunches

Lunch	Number of Students
sandwich	3
salad	5
pizza	4

1. What is the total number of students who ate pizza? _____ student(s)
2. Which lunch was eaten by the greatest number of students? _____
3. What is the total number of students who ate pizza or a sandwich?
_____ student(s)
4. Write an addition sentence for the total number of students who were asked what they ate for lunch.
