Eureka Math

2nd Grade
Module 7
Lesson 25

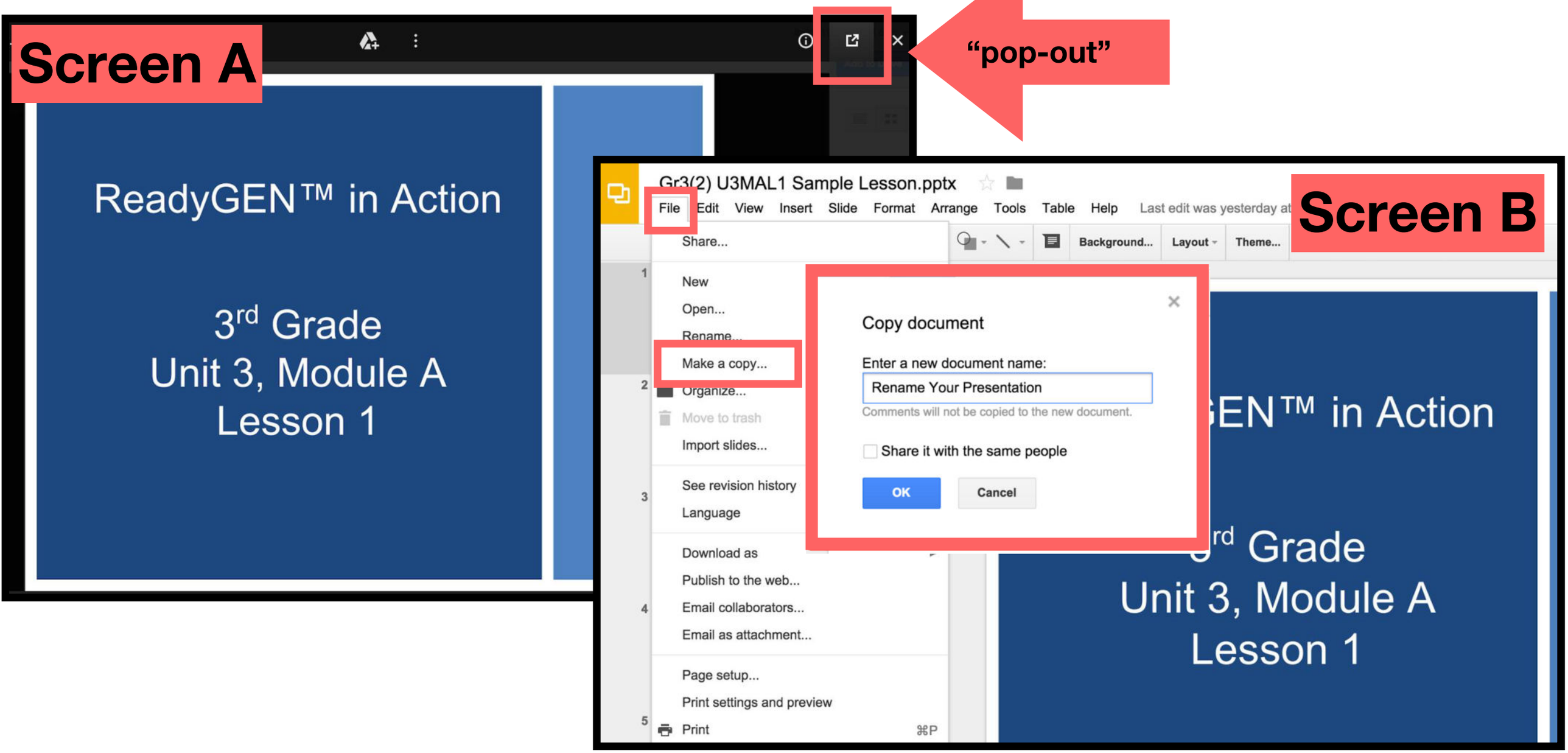
At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this project!

Directions for customizing presentations are available on the next slide.

Customize this Slideshow

Reflecting your Teaching Style and Learning Needs of Your Students

- ➢ When the Google Slides presentation is opened, it will look like Screen A.
- ➢ Click on the “pop-out” button in the upper right hand corner to change the view.
- ➢ The view now looks like Screen B.
- ➢ Within Google Slides (not Chrome), choose FILE.
- ➢ Choose MAKE A COPY and rename your presentation.
- ➢ Google Slides will open your renamed presentation.
- ➢ It is now editable & housed in MY DRIVE.



Icons

Read, Draw, Write

Learning Target

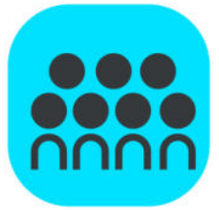
Personal White Board

Problem Set

Manipulatives Needed

Fluency

Think Pair Share



Whole Class

Individual

Partner

Small Group

Small Group Time

Materials Needed:

Materials:
Fluency - Decomposition tree (from Lesson 6)
Core Fluency

Concept Development:
(T)Doc camera
(S) Personal white board, centimeter grid paper

Lesson 25

Objective: Draw a line plot to represent a given data set; answer questions and draw conclusions based on measurement data.

Suggested Lesson Structure

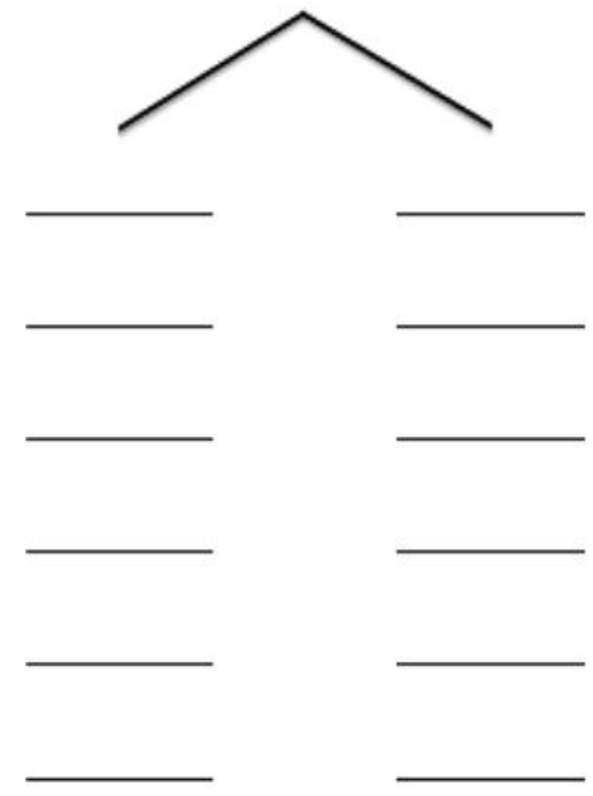
Fluency Practice	(10 minutes)
Application Problem	(7 minutes)
Concept Development	(33 minutes)
Student Debrief	(10 minutes)
Total Time	**(60 minutes)**

I can draw a line plot to represent a given data set; answer questions and draw conclusions based on measurement data.

Decomposition Tree

Fluency

You are gong to break apart 36 inches on your Decomposition Tree for 90 seconds. Do as many problems as you can.



Sprint

Core Fluency

A STORY OF UNITS Lesson 1 Core Flue

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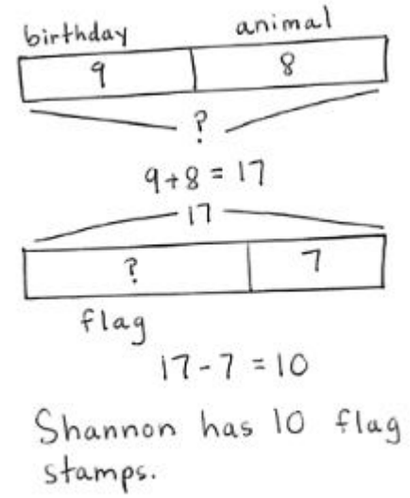
Application Problem

These are the types and numbers of stamps in Shannon's stamp collection.

Type of Stamp	Number of Stamps
Holiday	16
Animal	8
Birthday	9
Famous singers	21



Her friend Michael gives her some flag stamps. If he gives her 7 fewer flag stamps than birthday and animal stamps together, how many flag stamps does she have?

Extension: If the flag stamps are worth 12 cents each, what is the total value of Shannon's flag stamps?

Concept Development

Plot measures of bean plant height

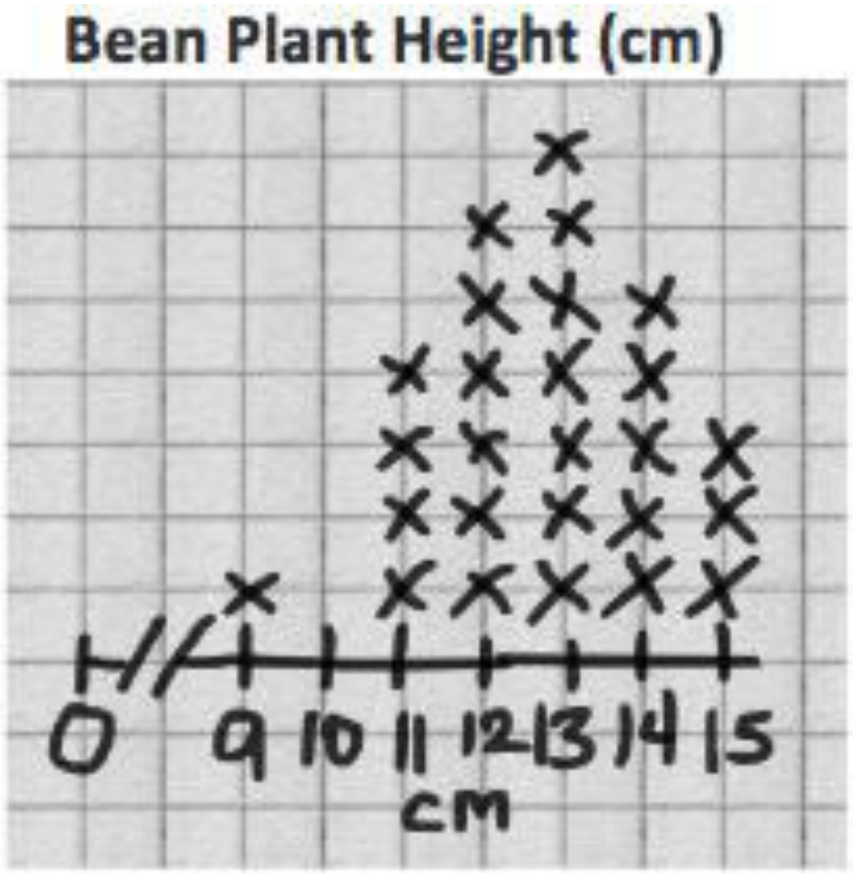
Height of Bean Plant	Number of Students
9 cm	1
11 cm	4
12 cm	6
13 cm	7
14 cm	5
15 cm	3

Let's create a line plot to display this data.

What do you need to draw?

Concept Development

Plot measures of bean plant height



Which bean plant height occurred most often?

What is the difference between the tallest and shortest bean plant?

How many students are in this science class?

Are there any measurements outside the main grouping? Why might have this happened?

What do you think would happen in five more days if we watered and gave extra vitamins to the plants?

Concept Development

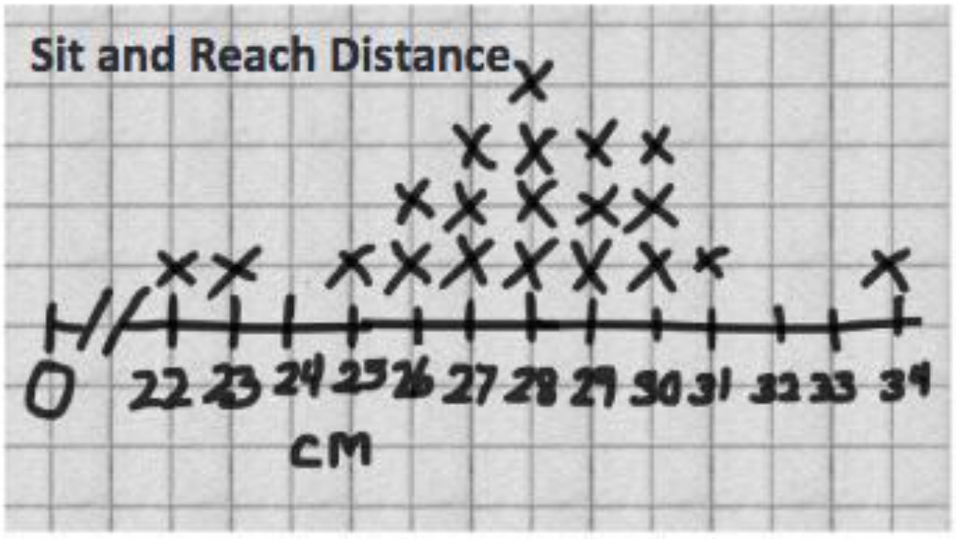
Plot sit and reach distance

Sit and Reach	Number of Students
22 cm	1
23 cm	1
25 cm	1
26 cm	2
27 cm	3
28 cm	4
29 cm	3
30 cm	3
31 cm	1
34 cm	1

In gym class, Mrs. Rincon measured the students' flexibility with the Sit and Reach test. The table shows how far the students were able to reach in centimeters.

You are going to create a line plot to display the data.

Concept Development



How many students were the most flexible?

What was the difference between the longest and shortest sit and reach distance?

How many distances were reached by only one student? Which distances?

How many students can reach farther than 28 cm?

Why aren't 24 cm, 32 cm, and 33 listed on the table?

What did you do on the line plot?

How might this data be different for third graders?

What can we do to become more flexible? If we do those things, how might our data set change?

Name _____ Date _____

Use the data in the chart provided to create a line plot and answer the questions.

1. The chart shows the heights of the second-grade students in Mr. Yin's homeroom.

Height of Second-Grade Students	Number of Students
40 inches	1
41 inches	2
42 inches	2
43 inches	3
44 inches	4
45 inches	4
46 inches	3
47 inches	2
48 inches	1

Debrief

Review your solutions for the Problem Set

Look at the line plots on your Problem Set. What are the units of the heights in Mr. Yin's class measured in?

Is it important to label the line plot units? Why?

What do you notice about the X's on the first line plot with student heights and the X's on the second grade art paper line plot?

Choose one line plot and ask your partner a question about the data that is not on the Problem Set.

Explain to your partner why using tables and line plots are both important ways to look at data.

Exit Ticket

Name _____ Date _____

Answer the questions using the line plot below.

Number of Students in Each Grade at the School Baseball Game