Eureka Math

2nd Grade
Module 3
Lesson 13

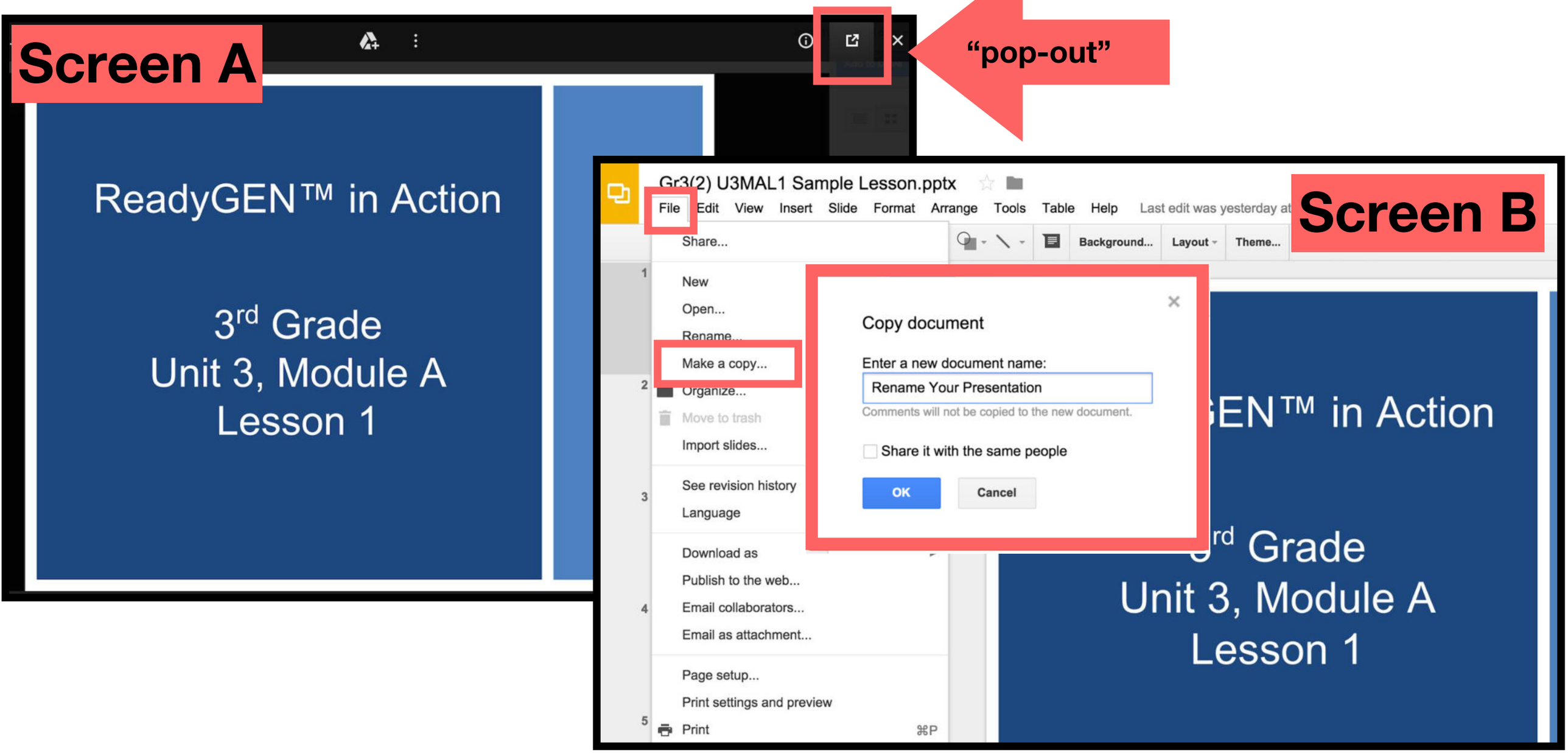
At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this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

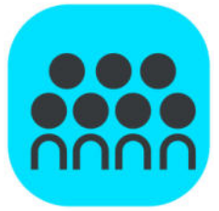
Personal White Board

Problem Set

Manipulatives Needed

Fluency

Think Pair Share



Whole Class

Individual

Partner

Small Group

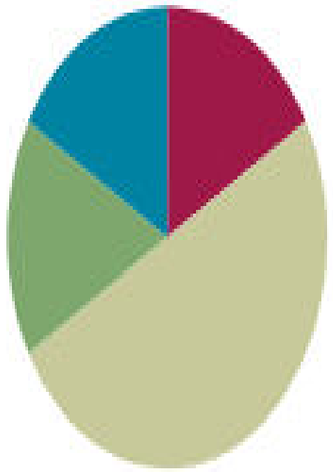
Small Group Time

Lesson 13

Objective: Read and write numbers within 1,000 after modeling with place value disks.

Suggested Lesson Structure

Fluency Practice	(10 minutes)
Application Problem	(10 minutes)
Concept Development	(30 minutes)
Student Debrief	(10 minutes)
Total Time	**(60 minutes)**



I can read and write numbers within 1,000 after modeling with place value disks.

Materials Needed:

Concept Development:

- (T)(S) white board and empty number line template

Sprint

A

Number Correct: _____

Place Value Counting to 100

1.	5 tens	
2.	6 tens 2 ones	
3.	6 tens 3 ones	
4.	6 tens 8 ones	
5.	60 + 4 =	
6.	4 + 60 =	
7.	8 tens	

23.	80 + 4 =	
24.	4 + 80 =	
25.	7 tens	
26.	5 tens 8 ones	
27.	5 tens 9 ones	
28.	5 tens 2 ones	
29.	50 + 7 =	

100 more/ 100 less

70

200

480

900

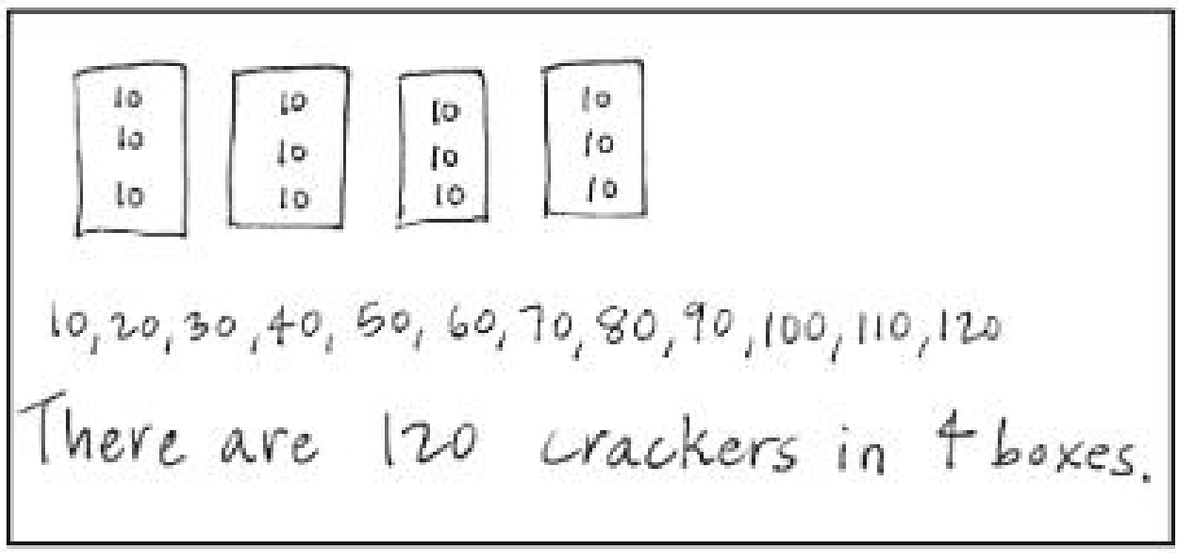
How many Tens/ How Many Hundreds

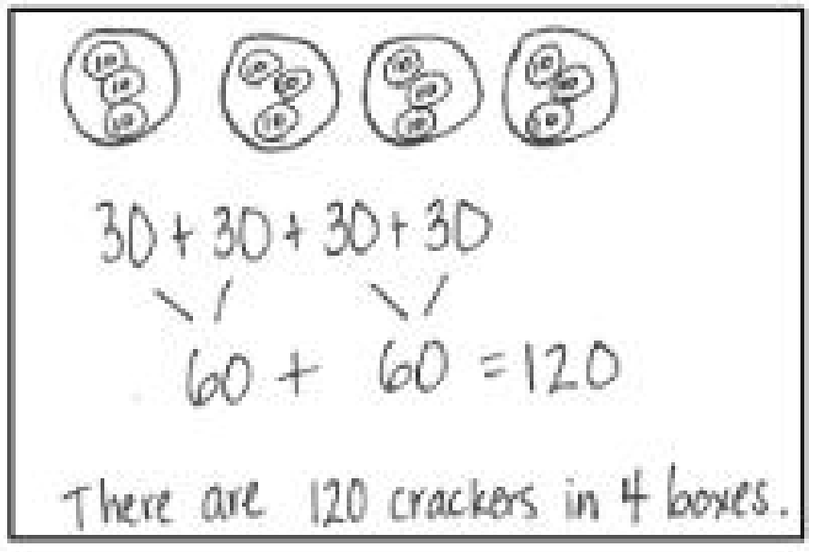
I'll say a number. You say how many tens are in that number. For example, I say 14 ones and you say 1 ten. Wait for my signal.

20 ones	How many hundreds?
28 ones	15 tens
64 ones	29 tens
99 ones	78 tens

Application Problem

Sarah's mom bought 4 boxes of crackers. Each box had 3 smaller packs of 10 inside. How many crackers were in the 4 boxes?





Concept Development

Drawing Place Value Disks to Represent Numbers

I’m going to draw some pictures of numbers. As I draw, count out loud for me.

100 100 100	10 10	1 1

What is the total value of this number? Write it on your white board.

Concept Development

Drawing Place Value Disks to Represent Numbers

Try Another

100		1 1 1

What is the total value of this number? Write it on your white board.

Concept Development

Drawing Place Value Disks to Represent Numbers

Now, we'll try a new process. I'm thinking of a number. Don't count while I draw. Wait until I have finished drawing before you whisper its value to your partner.

100 100	10 10 10 10 10 10 10	1

What is the total value of this number? Write it on your white board.

Concept Development

Drawing Place Value Disks to Represent Numbers

Here is another one.

100	10 10	1 1 1 1 1 1 1 1 1 1

What is the total value of this number? Write it on your white board.

Concept Development

Drawing Place Value Disks to Represent Numbers

Here is another one.

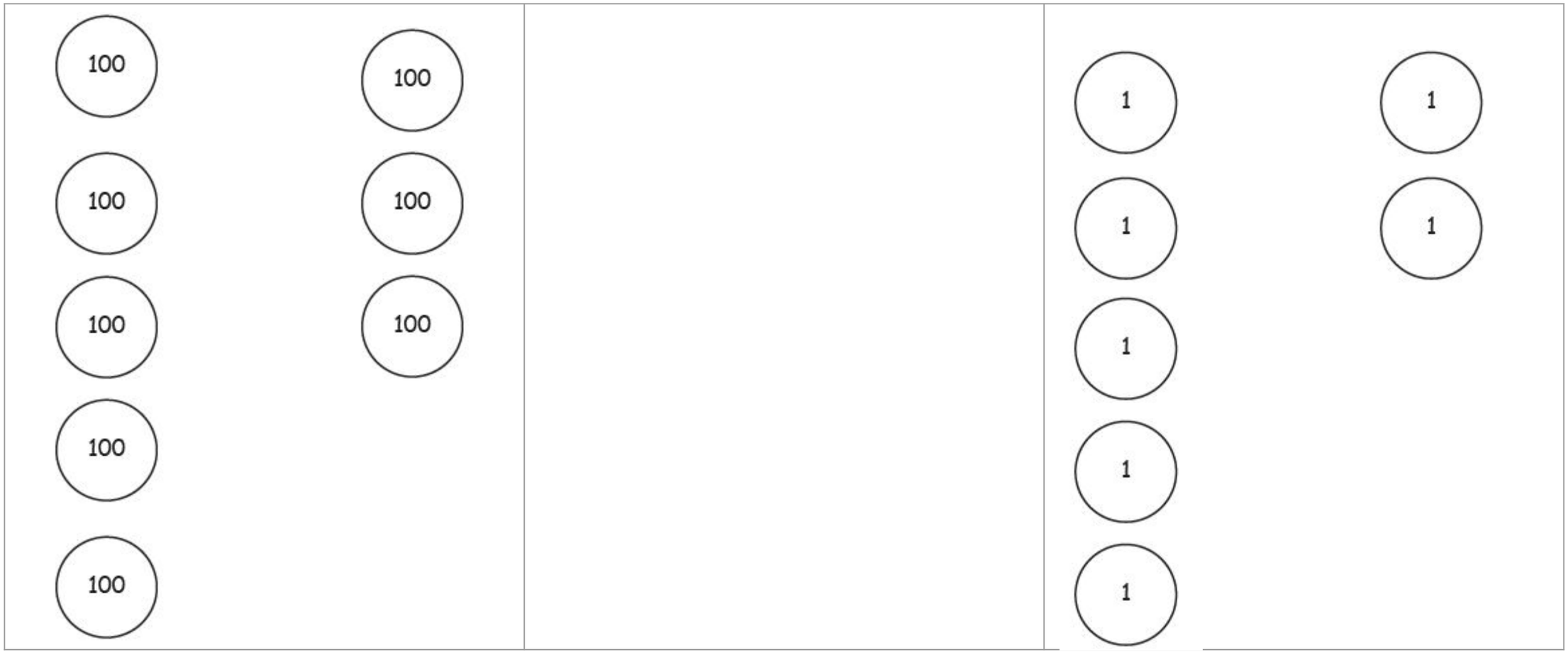
100 100 100 100 100 100	100 100	10	

What is the total value of this number? Write it on your white board.

Concept Development

Drawing Place Value Disks to Represent Numbers

Here is another one.



What is the total value of this number? Write it on your white board.

Concept Development

Drawing Place Value Disks to Represent Numbers

Here is another one.

100 100 100 100 100	10 10 10 10 10 10	1 1 1 1

What is the total value of this number? Write it on your white board.

Concept Development

Drawing Place Value Disks to Represent Numbers

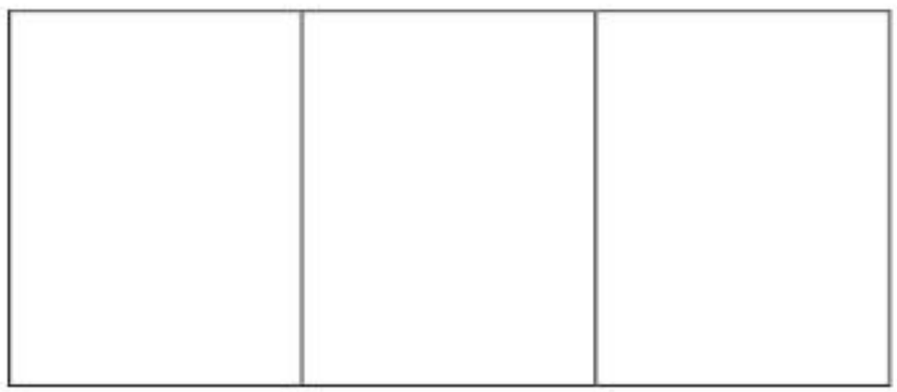
What is it about the way I am drawing that is making it easy for you to tell the value of my number so quickly? Talk to your partner

Problem Set

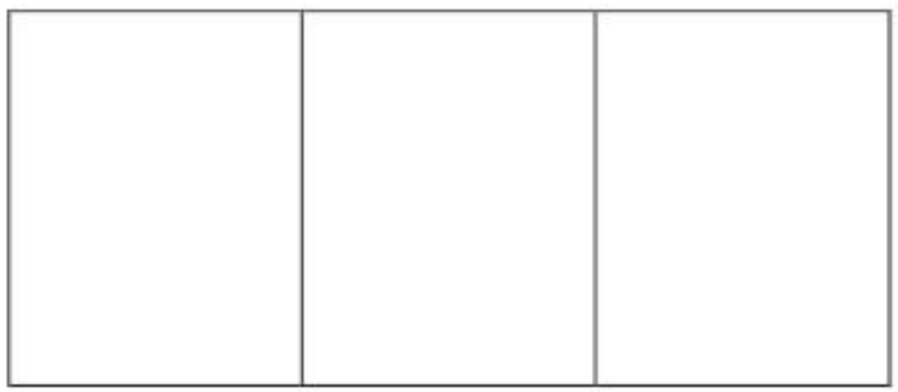
Name _____ Date _____

Draw place value disks to show the numbers.

1. 72



2. 427



Debrief

Check your solutions to the Problem Set with your partner. .

Check your partner's place value charts. Make sure the correct number of units is drawn for each one and that they are easy to read. Make sure they are in the correct place too.

Let's start by analyzing our place value charts. In each number there is a 7. With your partner, review the values of the sevens.

Read the numbers in order from Problems 1 through 6.

Now, share your number line with your partner. Explain your thinking about the size of your hops.

Debrief

Let’s read through the numbers we showed both on the place value chart and on the empty number line.

As we already saw, each of your numbers has a 7 in it. Show your partner how you represented the 7 in each number on your number line. Why are they different?

Exit Ticket

Name _____ Date _____

1. Draw place value disks to show the numbers.

a. 560

b. 506