Materials List

(S) Personal white boards

Eureka Math

3rd Grade
Module 5
Lesson 15

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

RDW — Read, Draw, Write

Learning Target

Personal White Board
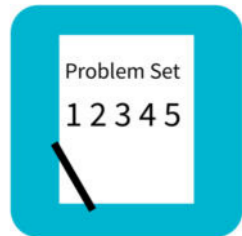
Problem Set

Manipulatives Needed

Fluency

Think Pair Share

Whole Class

Individual

Partner

Small Group

Small Group Time

Lesson 15

Objective: Place any fraction on a number line with endpoints 0 and 1.

Suggested Lesson Structure

- ■ Fluency Practice (9 minutes)
- ■ Application Problem (7 minutes)
- ■ Concept Development (35 minutes)
- ■ Student Debrief (9 minutes)
- **Total Time (60 minutes)**
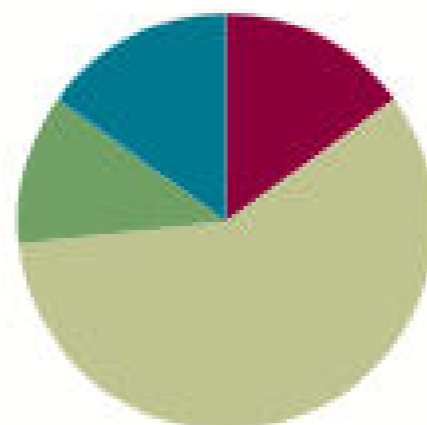
Place any fraction on a number line with endpoints 0 and 1.

Fluency Practice

Counting by Fractional Units (3 minutes)

Count by fourths from 1 fourth to 8 fourths and back to 0.

Fluency Practice

Division (3 minutes)

Write 4 ÷ 4 =

Say the number sentence and answer.

Fluency Practice

Place Unit Fractions on a Number Line Between 0 and 1 (3 minutes)

Draw my number line on your personal white board.

RDW Application Problem

In baseball, it is about 30 yards from home plate to first base. The batter got tagged out about halfway to first base. About how many yards from home plate was he when he got tagged out? Draw a number line to show the point where he was when he got tagged out.

In baseball, it is about 30 yards from home plate to first base. The batter got tagged out about halfway to first base. About how many yards from home plate was he when he got tagged out? Draw a number line to show the point where he was when he got tagged out.

30 yards

home plate | tagged out | first base
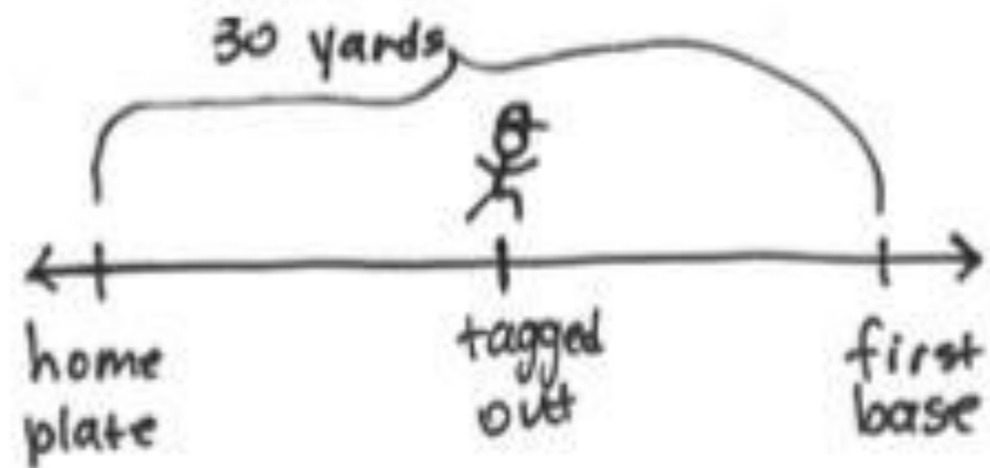
30 is 2 units
30 ÷ 2 = 15

The runner was 15 yards from home plate.

Concept Development

Problem 1: Locate the point 2 thirds on a number line.

0   1
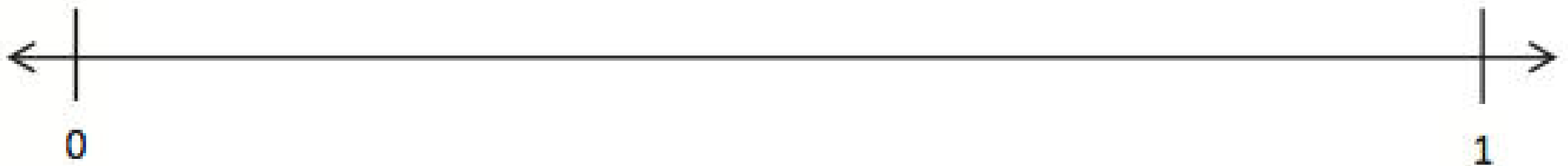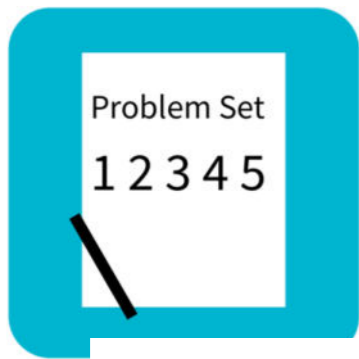
Click to check your work

Concept Development

Part 2: Measure the fractions.Problem 2: Locate the point 3 fifths on a number line.
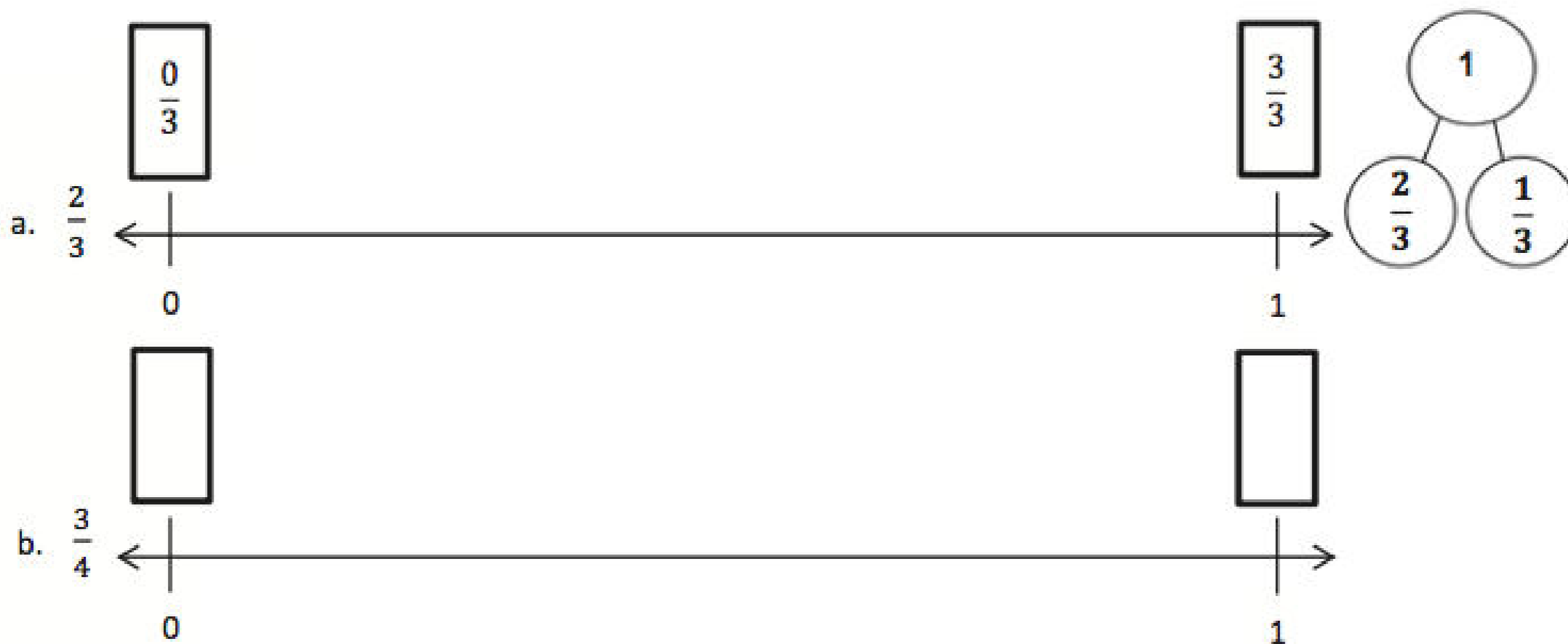

Click to check your work

Problem Set

Name _____   Date _____

1. Estimate to label the given fractions on the number line. Be sure to label the fractions at 0 and 1. Write the fractions above the number line. Draw a number bond to match your number line.

a. $\dfrac{2}{3}$

b. $\dfrac{3}{4}$

Debrief

Lesson Objective: Place any fraction on a number line with endpoints 0 and 1.

-How does the number bond relate to the number line?

-How do the number bond and number line with fractions relate to the number bond and number line with whole numbers?

-When might a kindergartener draw a number bond? A first grader? Second grader? Third grader?

-When you think of a number bond, do you usually think of chunks of things?

Exit Ticket (3 minutes)

Name _____   Date _____

1. Estimate to label the given fractions on the number line. Be sure to label the fractions at 0 and 1. Write the fractions above the number line. Draw a number bond to match your number line.

a. $\dfrac{2}{3}$

$\dfrac{0}{3}$ $\dfrac{3}{3}$ 1 — $\dfrac{2}{3}$, $\dfrac{1}{3}$

0   1

b. $\dfrac{3}{4}$

0   1