Materials List

(S) Multiply by 7 (1–5) (Pattern Sheet)

(S) Personal white board

(S) Problem Set (Page 2)

Eureka Math

3rd Grade
Module 3
Lesson 7

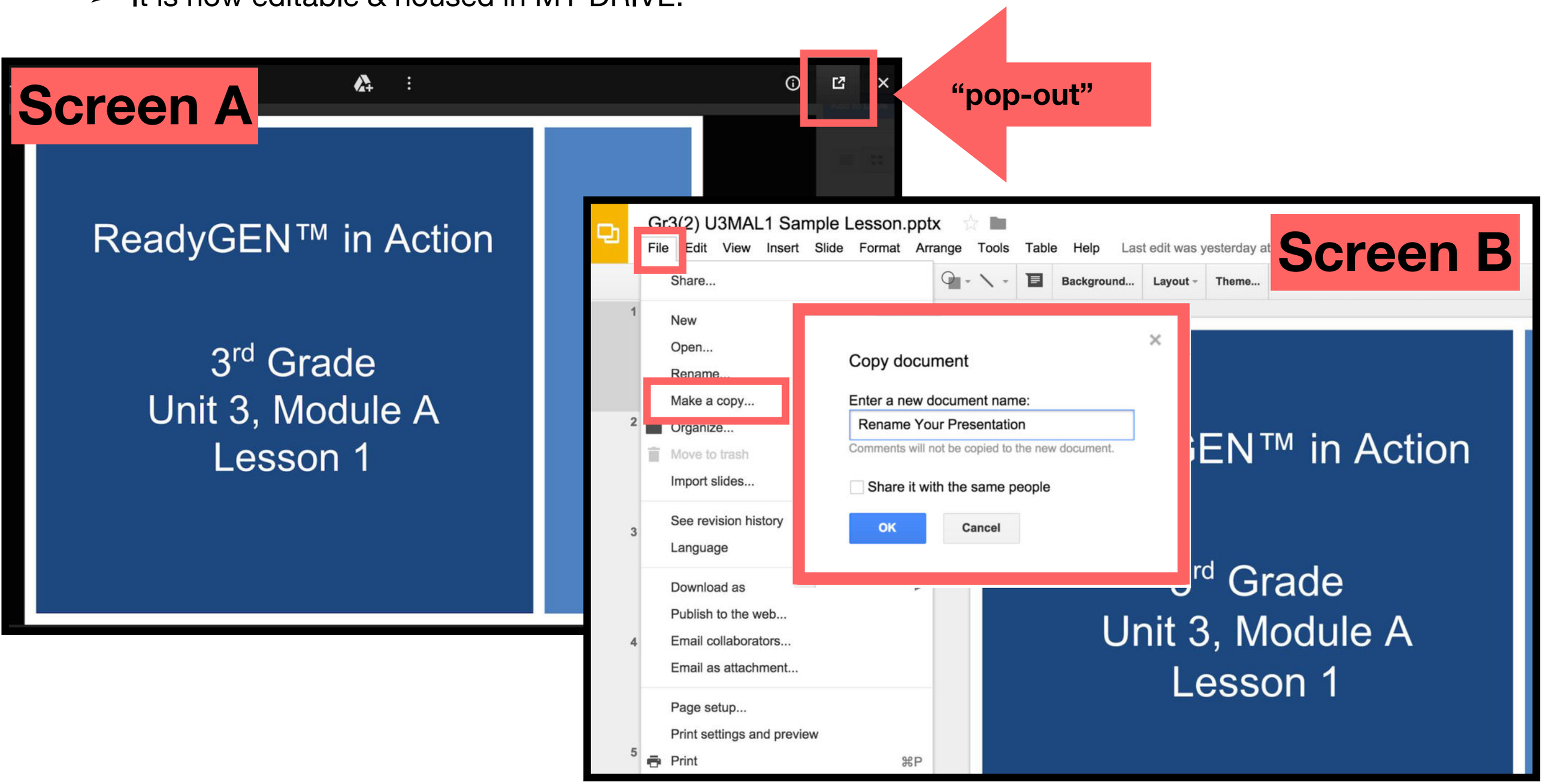
At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this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

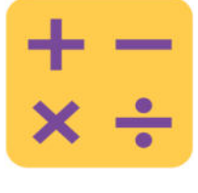
Read, Draw, Write

Learning Target

Personal White Board

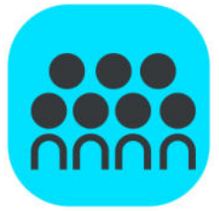
Problem Set

Manipulatives Needed



Fluency

Think Pair Share



Whole Class

Individual

Partner

Small Group

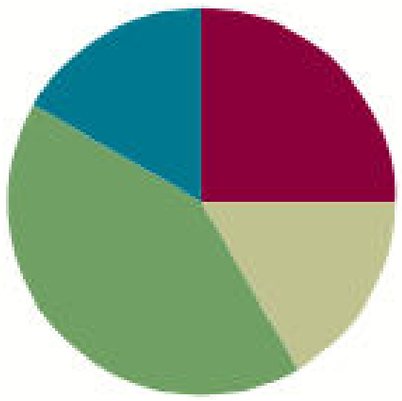
Small Group Time

Lesson 7

Objective: Interpret the unknown in multiplication and division to model and solve problems using units of 6 and 7.

Suggested Lesson Structure

Fluency Practice	(15 minutes)
Concept Development	(10 minutes)
Application Problems	(25 minutes)
Student Debrief	(10 minutes)
Total Time	**(60 minutes)**

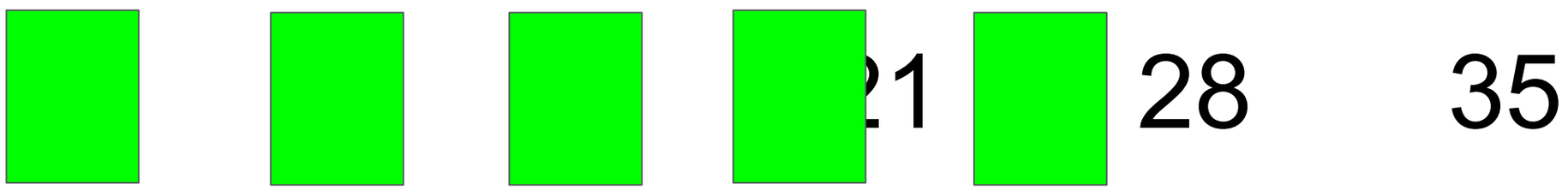


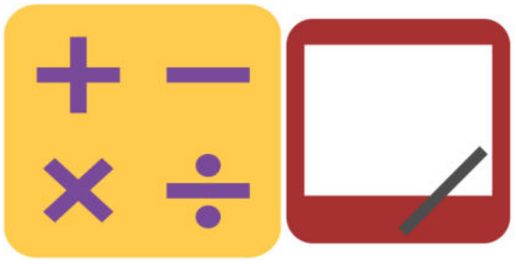
I can interpret the unknown in multiplication and division to model and solve problems using units of 6 and 7.

Multiply By 7

Write 5 × 7 = ____

Let’s skip-count by sevens to find the answer. I’ll raise a finger for each seven.





Multiply By 6

Write 4 × 6 = ____

Let’s skip-count by eights to find the answer.

I’ll raise a finger for each eight.

Multiply By 7

Let’s practice multiplying by 7. Be sure to work left to right across the page.

Multiply.

7 x 1 = _____	7 x 2 = _____	7 x 3 = _____	7 x 4 = _____
7 x 5 = _____	7 x 1 = _____	7 x 2 = _____	7 x 1 = _____
7 x 3 = _____	7 x 1 = _____	7 x 4 = _____	7 x 1 = _____
7 x 5 = _____	7 x 1 = _____	7 x 2 = _____	7 x 3 = _____

Group Counting

Sixes to 60

Eights to 80

Nines to 90

Decompose the Multiplication Sentence

Write $6 \times 6 = (5 + \_\_) \times 6$

On your personal white board, copy and fill in the equation.

Decompose the Multiplication Sentence

Write $6 \times 6 = (5 + \_\_) \times 6$

$$
\begin{aligned}
(6 \times 6) &= (5 + 1) \times 6 \\
&= (5 \times 6) + (1 \times 6) \\
&= 30 + 6 \\
&= 36
\end{aligned}
$$

Concept Development

Thad sees 7 beetles when he weeds his garden. Each beetle has 6 legs. How many legs are there on all 7 beetles?

Talk to a partner. What kind of picture can we draw to model this problem?

Application Problem

3. Model each problem with a drawing. Then, write an equation using a letter to represent the unknown, and solve for the unknown.

a. Each student gets 3 pencils. There are a total of 21 pencils. How many students are there?

b. Henry spends 24 minutes practicing 6 different basketball drills. He spends the same amount of time on each drill. How much time does Henry spend on each drill?

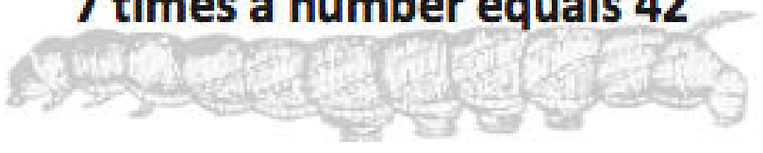
Problem Set

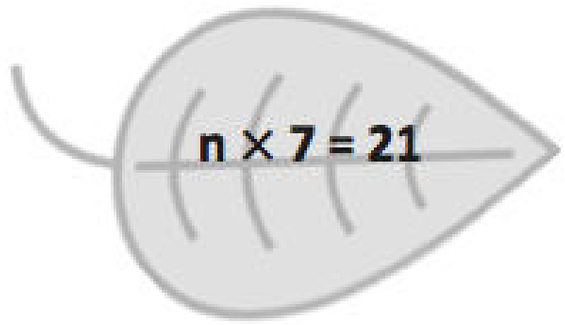
Name _____ Date _____

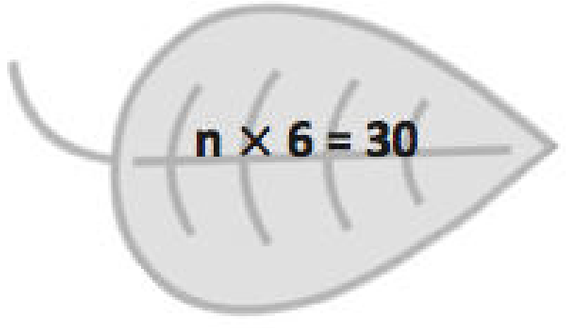
1. Match the words to the correct equation.

a number times 6 equals 30

7 times a number equals 42







Student Debrief

Lesson Objective: Interpret the unknown in multiplication and division to model and solve problems using units of 6 and 7.

What is the value of n in each equation in Problem 1?

What equation did you use to solve Problem 2?

Explain to a partner what your drawing looks like for Problem 3(a).

In Problems 3(a) through 3(d), what was unknown? Was it the group size or number of groups?

Whatstrategiesdidyourgroupusetosolve Problems 3(a) through 3(d)? Why?

Exit Ticket

Name _____ Date _____

Model each problem with a drawing. Then, write an equation using a letter to represent the unknown, and solve for the unknown.

1. Three boys and three girls each buy 7 bookmarks. How many bookmarks do they buy all together?