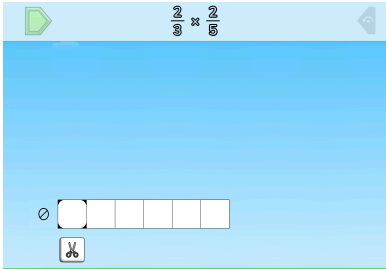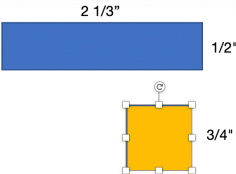These activities extend the puzzles and the concepts learned in the puzzles throughout the week. The activities might be tasks, word problems, journal writing activities, or hands-on activities designed to deepen student understanding and help students make connections.

Some of the activities listed below work well in a remote environment and can be easily added to your virtual classroom. The activities that can be used remotely are designated as such.

PUZZLE TALK Classroom Enhanced — **Student Work** — Name: _____ Date: _____ — LaVonne tiled her bedroom with carpet squares. Her bedroom is 12 tiles by 16 tiles. The carpet tiles she used were ¾ ft. by ¾ ft. What is the area of LaVonne's bedroom?	• Give students problems that include multiplying by fractions. • Example: LaVonne tiled her bedroom with carpet squares. Her bedroom is 12 tiles by 16 tiles. The carpet tiles she used were ¾ ft. by ¾ ft. What is the area of LaVonne's bedroom? ***(Can be used remotely)***
$\frac{2}{3} \times \frac{2}{5}$ Ø ▯▯▯▯▯▯ ✄	• Display a puzzle from Level 5 that shows a fraction multiplied by a whole number. • Give students whiteboards and dry erase markers. Ask students to solve the problem. • Share students' answers and strategies. First compare the problem to a multiplication problem where both factors are whole numbers. Then compare the problem to a multiplication problem where both factors are fractions. • Repeat with other puzzles in Level 5.
1/4 x 2/3 = 2/12 3/5 × 1/2 = 3/10 Gail wanted to find the area of the bedroom in her Barbie house. She measured the length and width. They were 3/5 foot and 1.2 foot. What was the area?	• Display 5-6 different fraction equations (e.g., 1/4 x 2/3 = 2/12) for the whole class to see. • Ask students to find a partner and choose a fraction equation. Have student pairs create a story problem that matches the equation they chose. • Share a few completed story problems and work together as a class to determine if the story problem matches what is happening in the equation and why.
2 1/3" rectangle, 1/2" 3/4" square	• Display different rectangles with fractional side lengths. • Ask students to find both the perimeter and area of the rectangles. Discuss students' solutions and strategies. • Compare finding the area of a rectangle with whole number side lengths to finding the area of a rectangle with fractional side lengths.
PUZZLE TALK Classroom Extensions — **Pre-Work** — Name: _____ Date: _____ — Solve 321 x 45 using two different strategies?	• **If you are using Puzzle Talks as part of your remote learning plan,** it is important to think about how to maximize the learning in the virtual environment. One strategy might be to do Pre-Work. Pre-Work encourages students to think about the concept prior to the Puzzle Talk.

Name: _____   Date: _____

LaVonne tiled her bedroom with carpet squares. Her bedroom is 12 tiles by 16 tiles. The carpet tiles she used were ¾ ft. by ¾ ft. What is the area of LaVonne's bedroom?

PUZZLE TALK
Extensions
Pre-Work

Name:_____   Date:_____

Does the formula for area (L x W) work if the sides of a rectangle are not whole numbers? Why or why not?

Draw an area model for 3 x 5 and then 3 x 1/5. How are they the same? How are they different?

Mrs. Graham wanted to cover her bulletin board with fabric. She measured the length and found it was 48.5 inches. She measured the width and found it was 36.2 inches. What is the area of the bulletin board?