

Fraction Division

Select Peanuts

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.

	 Give students a whiteboard, dry erase marker and math tools. Ask students, "When you multiply two whole numbers together, is the product greater than or less than each factor? How do you know?" Have students work with a partner or small group to determine their answer and reasoning. Share students' thinking. Share examples to prove that the product of two whole numbers is greater than or equal to either factor (e.g., 4 x 5 = 20 or 1 x 8 = 8). Discuss why that is by using drawings and models. Then ask students, "When you multiply a whole number times a fraction less than 1, is the product greater than or less than the whole number? How do you know?" Have students work with a partner or small group to determine their answer and reasoning. Share students' thinking. Share examples to prove that when you multiply a whole number. Display different puzzles in Level 4. Have students determine what kinds of numbers are being multiplied and what the feedback tells them about the product.
	 Give students a whiteboard, dry erase marker and math tools, such as snap cubes or centimeter cubes. Display different puzzles in Level 2. For each puzzle, ask students to draw a rectangle(s) on their whiteboard to represent the elephant(s) and use their math tools to represent the peanuts. Have students act out the puzzle using their tools. Record the solution to the puzzle as an equation. Connect each part of the model to a part of the equation. Repeat with puzzles in Level 3.
PUZZLE TALK Classroom Enhanced Student Work Name: Date Reagan's cat eats 6 Purrfect Kitty treats even dya, How many Purrfect Kitty treats does Reagan's cat eat in 1 1/3 days? How do you know?	 Pose the following problem to students: Reagan's cat eats 6 Purrfect Kitty treats every day. How many Purrfect Kitty treats does Reagan's cat eat in 1 1/3 days? How do you know? Have students work with a partner or small group to solve the problem. Have students share their thinking and solutions. Work together to write the solution as an equation. Repeat with other similar story problems. <i>(Can be done remotely)</i>
	 Give students a whiteboard, dry erase marker and math tools. Tell students that they are going to play "So 1 Elephant Must Eat". Explain that without letting the students see, you will look at a puzzle from Level 2 and tell them the answer. They must determine how many peanuts 1 elephant eats based on the answer you give them (e.g., 5/2 elephants eat 10 So 1 Elephant Must Eat). Have students share their thinking and solutions. Display the puzzle and watch the feedback to see if the solution is correct. Repeat with other puzzles in Level 2.
VUZ2LE TALK Clearorow 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.

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Fifth Grade



Name:	Date:

Reagan's cat eats 6 Purrfect Kitty treats every day. How many Purrfect Kitty treats does Reagan's cat eat in 1 1/3 days? How do you know?



Name:	Date:

Compare 2×5 and $2/3 \times 5$.

Do the number 15/3 and the number 5 represent the same amount? Explain.

The zookeeper at the zoo makes sure each elephant get 6 cups of food each day. If they zookeeper feeds an elephant 2/3 of their daily food for breakfast, how much does 1 elephant get for breakfast? Explain.