Finding Area with Fractional Side Lengths - Direct Instructions Notes

What if our dimensions were fractions?...

Jessica has a small rug that is 2/5 ft long and 1/3 ft wide. What is the total area of her rug?

Draw it: Solve it:

So:

Area: the amount of _____ a _____ figure takes up

Equations/How to Find: _____ x _____ or _____ x _____

Chloe is painting one part of her bedroom wall. The rectangle she wants to paint is 3/4 yds by 4 yds? How much of the wall is Chloe going to paint?

Draw it: Solve it:

Finding Area with Fractional Side Lengths - Guided Practice

The woods behind Adam's house were 2/3 miles wide and 1/5 miles long. What is the area of the woods? Draw It: Solve It:	Georgia has a new poster she wants to hang on her wall. The base was 5/8 feet and the height was 2 feet. What is the area of the poster? Solve It: Check with Model:
Mrs. Craver is choosing between two Harry Potter posters to hang up. Which of the following posters do you think she will choose? (Hint: She loves Harry Potter A LOT!) Poster A: ⅖ meters x 3 meters Poster B: ⅚ meters x ⅔ meters	Janet was cutting out some fabric for a friend. She cut a piece that was 7/8 centimeters wide and 3/4 centimeters long. What was the area of the fabric she cut out? Draw it: Solve it: Write an addition statement that would also solve:

Independent Practice

1-Millie was helping her teacher hang up a bulletin board in the classroom. They need to get paper that will cover a board that is 3 yards by 7/8 yards. How much paper will they need?	2-What is the area of a square with a side length of 7/10 cm? Draw a model to prove your answer.
3-Nick went online and to order a sticker. The sticker is 2/5 in by 3/4 in. He wants to know how much room the sticker will take on his notebook. How many square inches is the painting? a. 6/10 in^2 b. 3/10 in^2 c. ½ in^2 d. 1/3 in^2	4-John is creating a new pasture on his farm. He has measured off a piece of land that is 4 acres by ⅚ acres. What is the total area of his new pasture? Create and addition and multiplication equation to solve.
5-A dog run at the park measures 22 meters long and ⅔ meters wide. What is the total area of space the dogs have to run? Challenge: If the park decided to separate it into 2 equal parts, how big would each part be?	