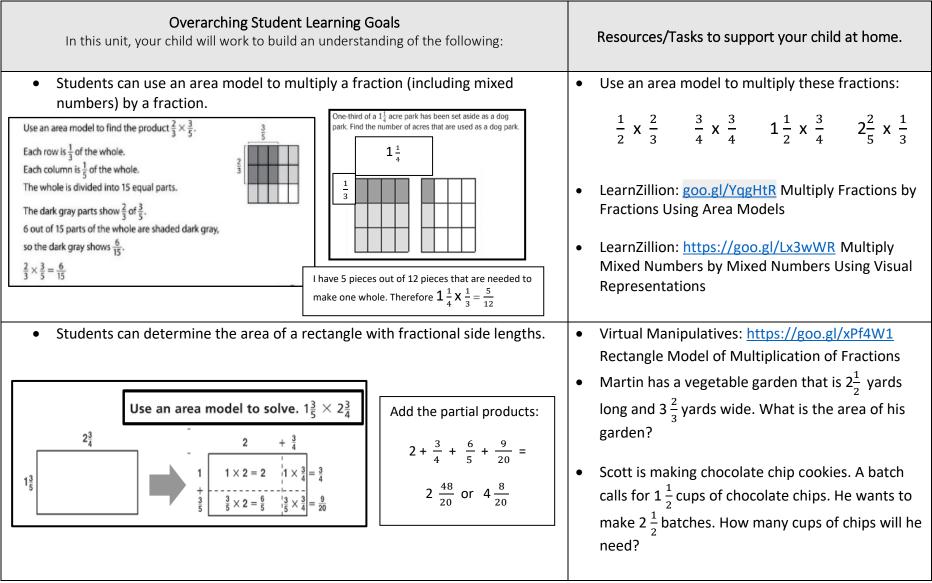
Using Area Models to Multiply Fractions



For more information on the learning goals and your child's progress, please contact your child's teacher.

Grade 5

Students can connect work with fractional models to using a written method for multiplying fractions.			•	LearnZillion: https://goo.gl/vbV6or Multiply Fractions by Fractions: Using a Sequence of
	What fraction multiplication equation does the area model represent? What is the product?	$\frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$	•	Operations LearnZillion: <u>https://goo.gl/qpJNQT</u> Multiply Fractions by Fractions Using an Algorithm
	What fraction multiplication equation does the area model represent? What is the product?	$\frac{3}{4} \times \frac{2}{3} = \frac{6}{12}$	•	Use an area model to multiply these fractions: $\frac{1}{2} \times \frac{2}{3} = \frac{2}{4} \times \frac{3}{4} = \frac{3}{5} \times \frac{2}{3} = \frac{1}{4} \times \frac{1}{2}$
	What fraction multiplication equation does the area model represent? What is the product?	$\frac{2}{4} \times \frac{1}{6} = \frac{2}{24}$		 What patterns do you notice? (I can multiply the numerators and then the denominators to find the product of the two fractions). How does the area model help to understand why this works?