Interactive Resources for Multiplication of Fractions — Area Models

Students' previous work with area models helped to build foundational conceptual understandings of whole number multiplication and division. Area models are also essential for students' conceptual understanding of multiplication with fractions. Students should interpret and draw area models to explain and represent their thinking. As the models become more complex, students may struggle to draw area models to represent multiplication of fractions. The resources listed below can be used to provide supports and scaffolds to students as they represent area models. These resources include a variety of features, and one resource may make more sense to a student than another resource.



Multiplying a fraction and a fraction (both factors < 1)



