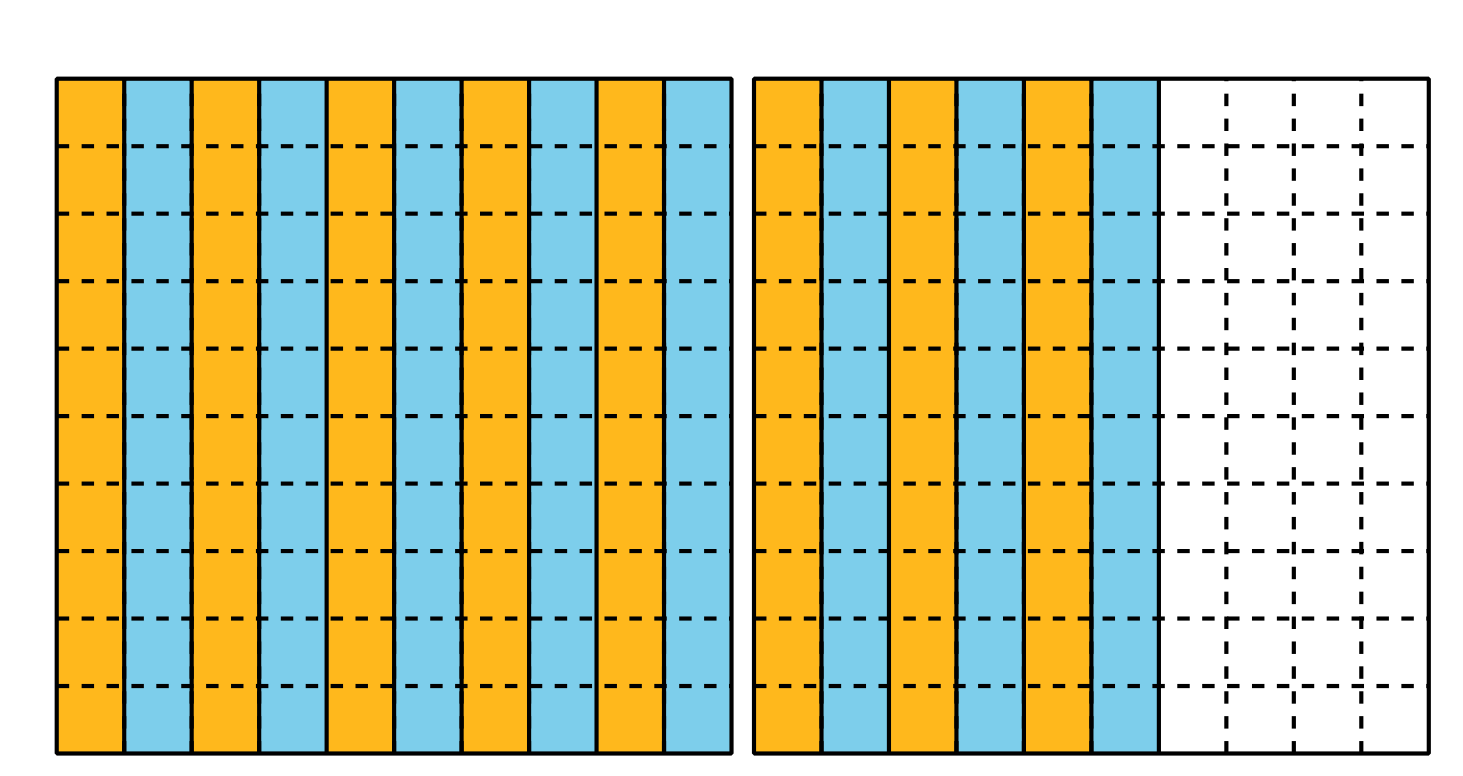
## Lesson 25: Divide Decimals by Decimals

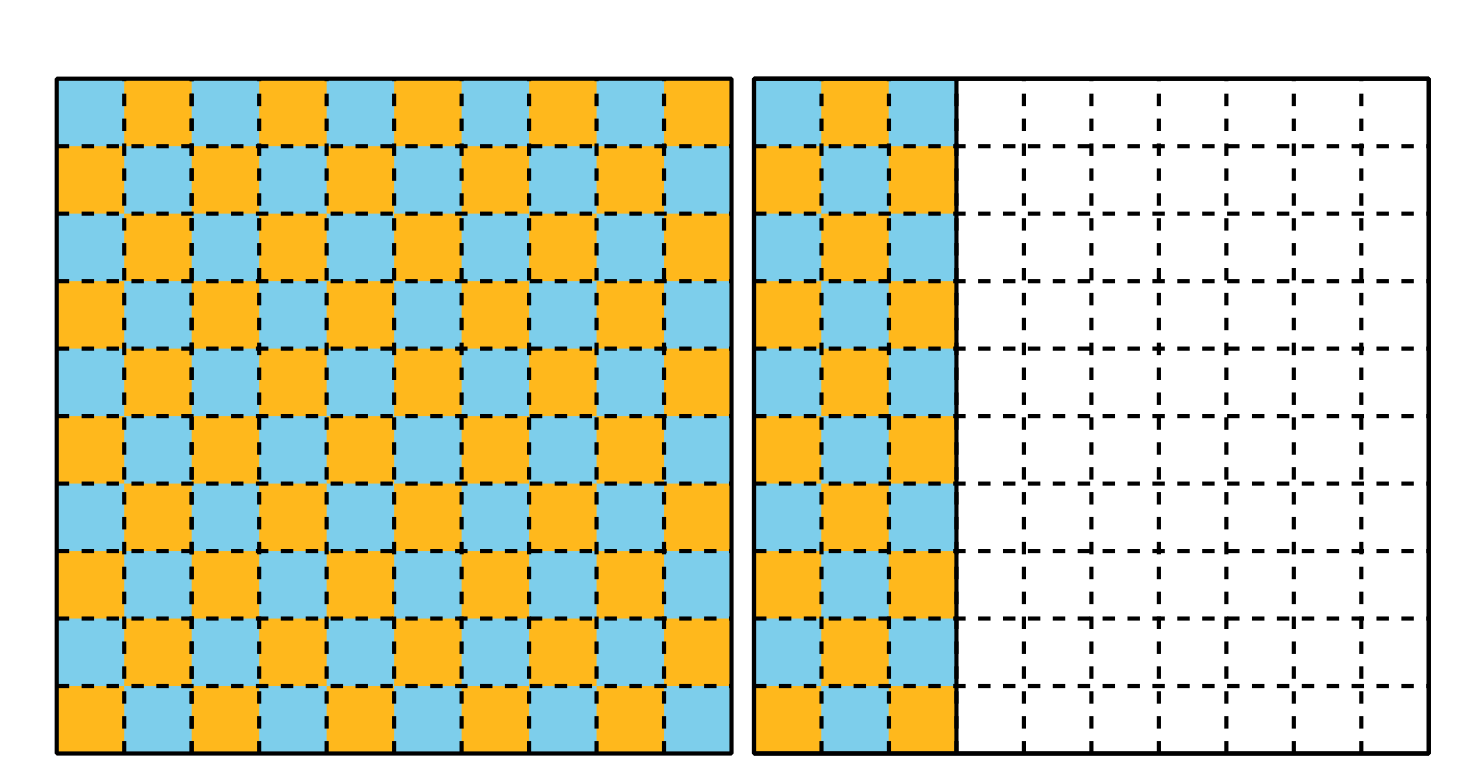
* Let’s divide decimals by decimals.

### Warm-up: Number Talk: Same/Different

Find the value of each expression mentally.

### 25.1: Dividing by a Tenth and a Hundredth

1. To find the value of , Jada drew this diagram.
   1. Describe how the diagram shows 1.6.
   * 
   1. Describe how the diagram shows 16 groups of 1 tenth.
   2. Describe how the diagram shows the value of .
   3. Describe how the diagram also represents the expression .
2. Explain how this diagram represents .

* 
  1. What is the value of ? Explain or show your reasoning.

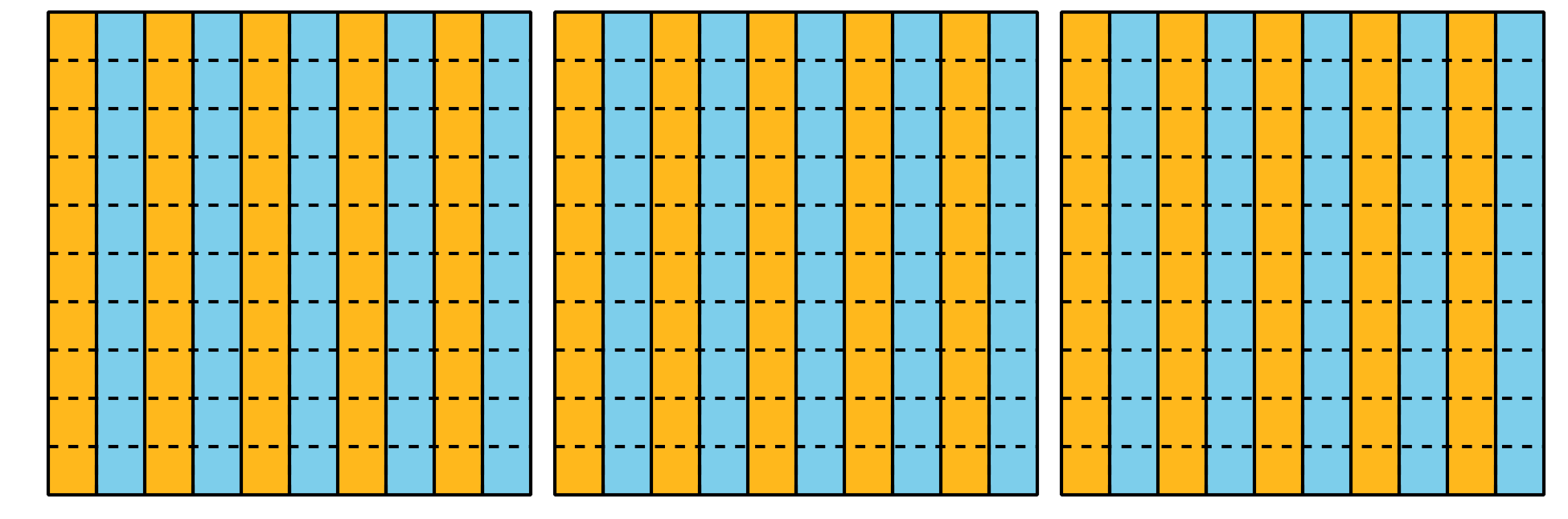
### 25.2: Divide Decimals by Decimals

Find the value of each expression. Explain or show your reasoning.

### Section Summary

Section Summary

In this section we learned to divide with decimals. We studied different ways to find a quotient like . We can draw a diagram which shows that there are 10 groups of 0.1 in each whole so there are or 30 groups of 0.1 in 3 wholes: .



We can also think about place value. We know 3 is 30 tenths and 0.1 is 1 tenth, so is equivalent to which has the value 30. We also can use multiplication to find the value of . We know that and so this also shows that .



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