

DIVIDING FRACTIONS I

The bar models below represent two different types of division problems.

EXAMPLE A

How many _____ are in 2?

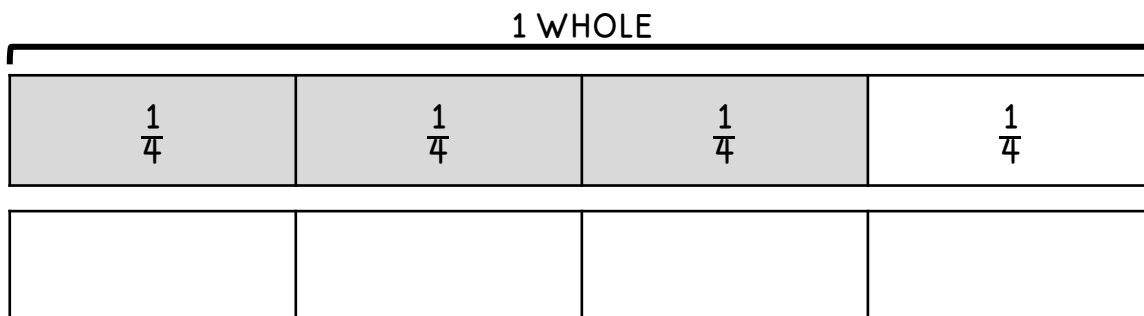
$$2 \div \frac{1}{4} = \square$$



EXAMPLE B

$$\frac{3}{4} \div 2 = \square$$

When $\frac{3}{4}$ is divided into _____ groups,
how large is each group?



Use your understanding of division to model the division problems below.

1.

$$\frac{5}{6} \div 2 = \underline{\hspace{2cm}}$$

When _____ is divided into _____ groups
how large is each group?

2.

$$2 \div \frac{1}{3} = \underline{\hspace{2cm}}$$

How many _____ are in _____?

DIVIDING FRACTIONS

- Use the following steps to divide fractions.
 1. Change each mixed number to an _____.
 2. Rewrite the _____ fraction.
 3. Change the division to _____.
 4. Find the _____ of the second fraction.
 5. Multiply.
 6. Simplify.

Practice dividing fractions using the algorithm.

<p>3.</p> $6 \div \frac{3}{4} = \underline{\hspace{2cm}}$	<p>4.</p> $\frac{2}{5} \div 3 = \underline{\hspace{2cm}}$	<p>5.</p> $2\frac{3}{4} \div 5 = \underline{\hspace{2cm}}$
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As you divide fractions in real-world situations, consider asking yourself the following questions to guide your thinking and to help you understand the situation.

What is being _____ up?

What value represents the _____ of groups?
 What value represents the _____ of the groups?

Does your solution make sense in the context of the _____?

Practice dividing fractions in the situation below.

<p>6. Kaela works at a pizza place. The tomato sauce cans contain 14 cups of sauce. If each medium pizza uses $\frac{3}{5}$ cups of tomato sauce, how many medium pizzas can Kaela make with one can of tomato sauce?</p>	
<p>I KNOW:</p>	<p>I NEED TO KNOW:</p>
<p>PLAN AND WORK:</p>	<p>SOLUTION:</p>

