Name _____

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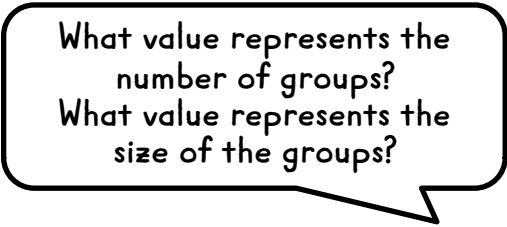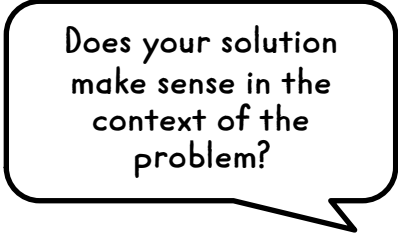
DIVIDING FRACTIONS APPLICATION

Remember the questions to ask yourself as you solve real-world problems dividing fractions.

What is being split up?

What value represents the number of groups? What value represents the size of the groups?

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

Practice dividing fractions in the situation below.

1. A 15-pound bag of sugar is being split into containers that hold $\frac{7}{8}$ of a pound. How many containers of sugar will the 15-pound bag fill?

I KNOW:	I NEED TO KNOW:
PLAN AND WORK:	SOLUTION:

2. Leo is building a model. He has a board that measures $\frac{9}{10}$ of a yard. If he cuts it into 15 equal parts, how long will each piece be?

I KNOW:	I NEED TO KNOW:
PLAN AND WORK:	SOLUTION:

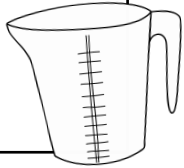What is different about this problem? How does it change my plan?

3. Amanda uses $\frac{1}{3}$ cup of milk each time she makes a batch of pancakes. How many batches can she make if she only has $\frac{11}{12}$ cup of milk left?

I KNOW:	I NEED TO KNOW:
PLAN AND WORK:	SOLUTION:

4. Mrs. Mitchell teaches a ceramics class. She has $\frac{7}{8}$ of a pound of clay for a project. Each project requires $\frac{1}{6}$ of a pound. How many projects can Mrs. Mitchell complete without running out of clay?

I KNOW:	I NEED TO KNOW:
PLAN AND WORK:	SOLUTION:

5. Rochelle has $\frac{3}{4}$ yard of twine. Each party favor requires $\frac{3}{8}$ yard. How many party favors can Rochelle make?

I KNOW:	I NEED TO KNOW:
PLAN AND WORK:	SOLUTION: