Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ HR: \_\_\_\_\_\_

**Warm Up: *Write a division sentence and draw a model to solve***.

1. How many fives are in twelve wholes?
2. How many ¾’s are in six wholes?
3. What does the answer to a division problem mean?

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**Problem 1: Dividing a Whole Number by a Fraction**

**Write a number sentence and draw a model to show your reasoning for each part.**

Naylah plans to sell mini cakes for the school fundraiser. She has 5 cups of flour. How many mini cakes can she make if each cake needs the given amount of flour?

**1/3 cup** 5 cups of flour

 Division Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**1/4 cup** 5 cups of flour

 Division Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**1/5 cup** 5 cups of flour

 Division Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**1/6 cup** 5 cups of flour

 Division Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Frank also has 5 cups of flour. How many mini cakes can he make if each cake needs the given amount?

**1/3 cup** 5 cups of flour

 Division Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2/3 cup** 5 cups of flour

 Division Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3/3 cup** 5 cups of flour

 Division Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4/3 cup** 5 cups of flour

 Division Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use what you learned from the previous problems to complete the following calculations.

12 ÷ = 12 ÷ =

12 ÷ = 12 ÷ =

12 ÷ = 12 ÷ =

Explain why 8 ÷ = 24 and 8 ÷ =12. Why is the answer to 8 ÷ exactly half the answer to 8 ÷ ?

Write an algorithm that seems to make sense for dividing any whole number by any fraction.

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**Homework:**

**Dividing a Whole Number by a Fraction - Write a number sentence to solve each problem**

The Easy Baking Company makes muffins. There are 20 cups of flour in the package of flour they buy. How many muffins can be made from a package of flour if each takes the following amount of flour?

 cup cup

 cup cup

 cup cup

 cup cup