

Name: _____ Date: _____

4th Grade Common Core Math – Pre-Assessments

Number and Operations - Fractions – Common Core Cluster #2

Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.

4.NF.4

1. What multiplication sentence can you write to represent the following addition sentence?

$$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} = \underline{\hspace{2cm}} \times \left(\frac{1}{8}\right)$$

Use hops to represent the above multiplication problem.



2. Draw a number line to solve the following: $3 \times \left(\frac{1}{4}\right)$



3. Write a repeated addition sentence that represents the multiplication problem below. Draw a number line or a picture to help you solve the problem.

$$4 \times \left(\frac{3}{4}\right)$$

Teacher Comments/Student Reflection

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