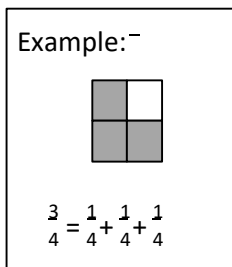


Study Guide A

Name _____ Date _____

4th Grade Math --Study Guide A- Test will occur on February 5th (answers on back) modeled after NYS-



CCSM

Let each small

square represent $\frac{1}{4}$

.

$$\frac{3}{4} = 3 \times \frac{1}{4}$$

$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$$

Or

$$\frac{3}{4} = \frac{1}{4} + \frac{2}{4}$$

Section A--Students using the same unit, draw and shade the following fractions. Represent each as a sum of unit fractions.

1. 2/3 Write 2 number sentences (1st with addition -2nd with times operations) Draw Fraction Model

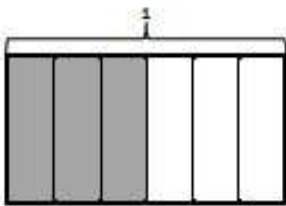
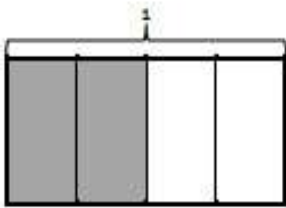
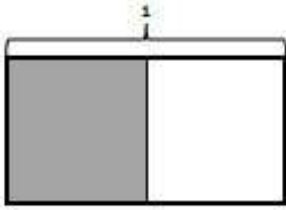
2. 2/10 Write 2 number sentences (1st with addition -2nd with times operations) Draw Fraction Model

3. 4/8 Write 2 number sentences (1st with addition -2nd with times operations) Draw Fraction Model

4. 1/5 Write 2 number sentences (1st with addition -2nd with times operations) Draw Fraction Model

Section B-

#5 Using the fractional units shown, identify the fraction of the rectangle that is shaded. Continue this pattern by drawing the next area model in the sequence and identifying the fraction shaded.



b. Use multiplication to explain why the first two fractions are equivalent.