**Title**: Fraction Unit Review

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| **CCSS**: **4.NF**   * Extend understanding of fraction equivalence and ordering. * Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers. |
| **Math Practices**: 2) Reason abstractly and quantitatively. 6) Attend to precision. 8) Look for and express regularity in repeated reasoning. |
| **Suggestion for Implementation**: This is a fraction unit review designed to help students review the concepts taught in preparation for a final assessment. It is design to be completed over several days as a homework, morning work, whole group, or small group activity. Students can check off each “I can” statement as they complete each section. If they are not able to place a check on the “I can” statement, they can receive remediation in that area. |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Test Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Fractions Review**

\_\_\_\_ I can explain why two fractions are equivalent using visuals. (4.NF.1)

\_\_\_\_ I can compare fractions with like and unlike denominators. (4.NF.2)

\_\_\_\_ I can turn a mixed number into an improper fraction. (4.NF.3)

\_\_\_\_ I can turn an improper fraction into a mixed number. (4.NF.3)

\_\_\_\_ I can add and subtract fractions with like denominators with visuals and computation. (4.NF.3)

\_\_\_\_ I can solve problems with adding and subtracting fractions with like denominators (4.NF.3)

\_\_\_\_ I can decompose and compose fractions. (4.NF.4)

\_\_\_\_ I can multiply fractions using visuals and computation (4.NF.4)

\_\_\_\_ I can solve problems with multiplying fractions (4.NF.4)

\_\_\_\_ I can create and use a number line. (All Standards)

**Part 1: Equivalent Fractions**

Identify an equivalent fraction for the fractions below.

1) 1/2 2) 2/8 3) 11/10

Find the missing variable in the numerator or denominator.

4) 3/9 = A/27 A = \_\_\_\_ 5) 2/6 = 1/B B= \_\_\_\_ 6) 3/C = 15/25 C= \_\_\_\_

7) Which fractions are equivalent to the shaded area of the circle?

(There is more than one answer.)

A. 2/6 B. 2/3 C. 1/2 D. 8/12 

8) Create a number line using the line below and place 7/2 in the correct place.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part 2: Compare the fractions below. <,>, =**

1) 3/8 \_\_\_\_\_\_ 1/3 2) 4/8 \_\_\_\_\_ 3/8 3) 11/4 \_\_\_\_\_\_\_ 1 ¼

4) 2/3 of 15 \_\_\_\_ 1/2 of 16 5) 7 x 1/2 \_\_\_\_ 6 x 1/3

6) Marcy and Ginger were running. Marcy ran further than Ginger. Ginger ran 5/10 of a mile. Which could show be the distance Ginger ran? A. 1/3 B. 3/10 C. 1/2 D. 3/4

7) Create two number lines to compare 2/3 and 3/4 in the space provided.

**Part 3: Mixed and Improper Fractions**

Turn the improper fractions into mixed numbers

1) 11/4 2) 37/8 3) 9/5 4) 12/6

Turn the mixed fractions into improper fractions

5) 3 *⅓* 6) 2 *⅚* 7) 5 *⅖* 8) 8 *⅜*

9) Melvin’s grandma lives 10 ¾ miles from him. Write 10 ¾ as an improper fraction.

**Part 4: Adding and Subtracting Fractions**

1) 5/10 + 7/10 2) 4 ¼ + 4 ¾ 3) 3⅓– 2 *⅔* 4) 17/10 – 1 1/10

Solve the addition and subtraction word problems. Write an equation for each problem. Show Your Work!

1. Tiffany bought a pack of pencils. Six-eighths of the pencils need to be sharpened and the rest do not. How many do not need to be sharpened?
2. Jasmine ate 4/12 of a box of chocolates. Her friend ate 6/12 of the box. How much did they eat combined?
3. At the market, William bought three kinds of lunchmeat. He bought 2/4 pound of roast beef, 3/4 pound of ham and 2/4 pounds of turkey. How much lunchmeat did he purchase total?
4. Tomas drove 4 *⅜* to work. His friend Jordan drove 3 *⅝* miles to work. How much further does Tomas drive to work?
5. Nadia and Rick were driving to the mountains. Nadia used 18 ¾ gallons of gas to drive to the mountains and Rick used 13 ¼ gallons. How much gas did they use combined?

**Part 5: Decomposing Numbers**

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| **Fraction** | **Decomposed Fraction** |
| 8/3 |  |
| 4 *2/8* |  |

Find the sums of the decomposed fractions.

1) 1/4 + 1/4 + 1/4 + 1/4 + 1/4 + 1/4 = \_\_\_\_\_\_\_\_ 2) 12/12 + 12/12 + 1/12 + 1/12 = \_\_\_\_\_\_\_\_

**Part 6: Multiplying Fractions**

1) 4 x 1/6 2) 15 of 2/3 3) 20 of 2/4 3) 3 x 3 ½

Solve the word problems below. Write an equation for each problem. Show Your Work!

1. Twelve friends are going to share a pizza. Each friend will eat 1/3 of a pizza. How many pizzas will they need to purchase so that everyone gets a third?
2. Gregory picked 100 plums. He sold 3/5 at his fruit stand. He gave the rest to his neighbors. How many plums did he sell? How many did he give to his neighbors?
3. Emily rode 6 kilometers to school. After he rode 2/3 of the way, he stopped at a friend’s house. After how many kilometers did he stop at his friend’s house?
4. Yolanda read for 4 hours. She spent ½ of the time reading magazines and ¼ of the time reading a novel. She spent the rest of the time reading poetry. How much time did she spend reading poetry?
5. Juan and two friends each drank 2 ¼ cups of milk. How much mild did they drink in all?