

**Unit 6 Review Sheet; Due Tuesday****Test on Wednesday, 2/26****Topics will include:**

- Adding fractions with like and unlike denominators
- Subtracting fractions with like and unlike denominators
- Subtracting fractions when regrouping is required
- Multiplying a whole number by a fraction
- Applying fractions to real-world situations (word problems)

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1) When subtracting or adding fractions together you need to find the \_\_\_\_\_ to get the denominators to be the same.

2) The \_\_\_\_\_ states that when multiplying a whole number by its reciprocal (opposite) you will always get an answer of 1 whole.

- Example:

3) If regrouping is required when subtracting two fractions explain in your own words where you borrow from and what the next step is: \_\_\_\_\_

\_\_\_\_\_

4) What are three ways to prove your work when multiplying a whole number by a fraction?

1)

2)

3)

**Directions:** Solve the equations. Make sure to simplify when possible.

5)  $\frac{3}{5} + \frac{4}{5} =$  \_\_\_\_\_

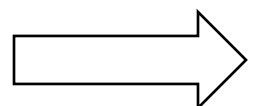
6)  $\frac{1}{2} + \frac{1}{3} =$  \_\_\_\_\_

7)  $6\frac{3}{8} + 1\frac{4}{9} =$  \_\_\_\_\_

8)  $\frac{4}{6} - \frac{2}{6} =$  \_\_\_\_\_

9)  $9\frac{8}{12} - 7\frac{1}{3} =$  \_\_\_\_\_

10)  $3\frac{2}{7} - \frac{5}{7} =$  \_\_\_\_\_



11)  $5\frac{1}{5} - 3\frac{2}{3} =$  \_\_\_\_\_

**Directions:** Solve the multiplication problems. You must prove your work with either an array, picture, number line, or repeated addition. *If needed, do your work on a separate sheet of paper.* Simplify your answer when possible.

12)  $7 \times \frac{3}{5} =$  \_\_\_\_\_

13)  $5 \times \frac{2}{12} =$  \_\_\_\_\_

14)  $8 \times \frac{1}{8} =$  \_\_\_\_\_

15)  $4 \times \frac{2}{12} =$  \_\_\_\_\_

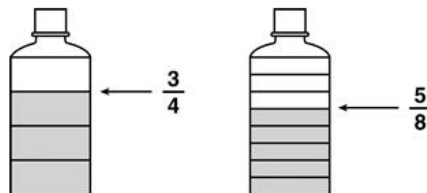
**Directions:** Solve the word problems. Make sure to look out for key words. Simplify your answer whenever possible.

16) The Smith family is driving to the Outer Banks for a beach trip. The total drive takes  $8\frac{3}{4}$  hours. They plan to stop in Richmond, Virginia for lunch which only takes  $2\frac{1}{2}$  hours to get to. After their stop, how much more driving do they have to do? \_\_\_\_\_

17) Shonda's cookies require  $1\frac{3}{4}$  cup of brown sugar and  $2\frac{1}{3}$  cup of granulated sugar. How much sugar does the recipe call for? \_\_\_\_\_

18) A pint of ice cream was  $\frac{9}{10}$  full when Rachel opened it. When she finished, it was  $\frac{1}{2}$  way empty. How much ice cream did Rachel eat? \_\_\_\_\_

Each 1-liter bottle below is shaded to represent the amount of water in the bottle.



19) How many total liters are in these 2 bottles, expressed in lowest terms? \_\_\_\_\_

20) Omar measured  $\frac{5}{8}$  pounds of flour on a scale. He removed some flour from the scale so that only  $\frac{3}{16}$  pound was left. How much flour did he remove? \_\_\_\_\_