Fractions A   Name
                         Date

Definitions

1.***Fraction

2.* Proper Fraction

3.***Reciprocal

4.***In the number $\frac{3}{8}$, the 8 is called the

_____ and the 3 is called the

_____.

5.***Write the algorithm for
Adding/Subtracting Fractions

6.***Write the algorithm for Dividing Fractions

7.** What method of finding a common denominator might be most convenient to use when adding $\frac{1}{3}$ and $\frac{2}{5}$? Explain why you chose that method.

8.* If the numerator of a fraction remains constant and the denominator increases, what happens to the value of the fraction? (assume numerator and denominator are positive)

9.* A student added $\frac{1}{7} + \frac{4}{7}$ with a result of $\frac{5}{14}$. What is his error and how would you explain to him the rationale behind the correct answer?

10.*Draw a model to show that $\frac{1}{2} = \frac{4}{8}$

11.**Simplify the following fractions

a) $\frac{8}{12}$ b) $\frac{27}{63}$ c $\frac{135}{189}$

12.**
$$\frac{5}{7}$$
$$+\frac{1}{3}$$

13.**
$$12\frac{1}{4} - 7\frac{2}{3}$$

14.**
$$5\frac{1}{2} \times \frac{2}{3}$$

15.**   3/4 ÷ 2/3
$$\frac{3}{4} \div \frac{2}{3}$$

16.** Find the LCM and GCF of 108 and 72

17.**Order the following numbers from least to greatest.
$$\frac{3}{4}, \frac{7}{10}, \frac{5}{7}$$

18.* Bob owns five ninths of the stock in the family company. His sister Mary owns half as much stock as Bob. What part of the stock is owned by NEITHER Bob nor Mary?

19.* Joel worked $9\frac{1}{2}$ hours one week and $11\frac{2}{3}$ hours the next week. How many more hours and minutes did he work the second week than the first?

20. SBAC A person has $29\frac{1}{2}$ yards of material available to make uniforms. Each uniform requires $\frac{3}{4}$ yard of material. How many uniforms can be made? How much material will be left over?

21.***Write a home phone, cell phone, email or home address to contact your parent or guardian. (CHP)