

Fractions A
PRACTICE

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

Fractions B

Name _____
Date _____

Definitions

1. ***Fraction

2. *Improper Fraction

3. ***Reciprocal

4. ***In the fraction $\frac{4}{5}$, the 4 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 $1/3$ and $2/5$? 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 $1/7 + 4/7$ with a result of $5/14$. What is his error and how would you explain to him the rationale behind the correct answer?

10.* Draw a model to show that $1/2 = 4/8$

11-16 are ** questions

12.**Simplify the following fractions

- a) $8/12$ b) $27/63$ c) $135/189$

7. **What method of find a common denominator might be most convenient to use when adding $5/18$ and $7/24$? Explain why you chose that method.

8. *If the numerator and the denominator of a proper fraction continually increase by 1, what happens to the value of the fraction?

9. *A student argued that any time you multiply numbers, the product is larger than the factors. What is his error and how would you explain the rationale behind the correct answer?

10. *Draw a model to show that $1/5 + 1/4 = 9/20$

11-16 are ** questions

11. Simplify the following fractions.

- a. $18/24$ b. $45/72$ c. $111/123$

12.**
$$\begin{array}{r} \frac{5}{7} \\ + \frac{1}{3} \\ \hline \end{array}$$

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

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

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

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

17.** Order the following numbers from least to greatest.

$\frac{3}{4}, \frac{7}{10}, \frac{5}{7}$

12.
$$\begin{array}{r} \frac{5}{8} \\ + \frac{3}{7} \\ \hline \end{array}$$

13. $9 \frac{1}{5} - 5 \frac{2}{3}$

14. $6 \times \frac{3}{5}$

15. $4 \frac{1}{2} \div \frac{1}{4}$

16. Find the LCM and GCF of 54, 81, and 108.

17. **Order the following numbers from greatest to least.

$\frac{2}{3}, \frac{3}{5}, \frac{5}{8}$

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)

18. *Antonio has $\frac{4}{5}$ of the money for the trip. His brother Peter has the rest of the money. If Antonio has \$24, how much money does Peter have for the trip?

19. *Mike worked $10\frac{1}{2}$ hours Monday, $8\frac{1}{4}$ hours on Tuesday, and $3\frac{3}{4}$ hours on Wednesday, how many hours did he work the three days?

20.SBAC *Ted needs $2\frac{1}{4}$ feet of ribbon to wrap each present. He has to wrap 15 presents. If ribbons come in 5 foot rolls, how many rolls of ribbon will Ted need to purchase to wrap all the presents?

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