

Name: _____

Date: _____

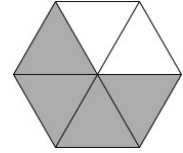
FRACTION REVIEW - Practice

Multiple Choice

Circle the letter corresponding to the correct answer.

1. The fraction of the hexagon **NOT** shaded (in lowest terms) is:

a. $\frac{1}{6}$ b. $\frac{1}{3}$ c. $\frac{2}{3}$ d. $\frac{5}{6}$



2. When adding or subtracting fractions you need a _____

a. reciprocal c. common numerator
b. common denominator d. mixed number

3. Determine the lowest common denominator for the following fractions:

$$\frac{5}{6} \text{ and } \frac{2}{9}$$

a. 3 b. 9 c. 18 d. 54

4. To divide by a fraction: keep, _____, flip.

a. cry c. strange
b. crash d. change

5. When using the order of operations, you do _____ first.

a. Adding or subtracting c. Exponents
b. Multiplying or dividing d. Brackets

6. For the following question, what do you do first? $\frac{4}{9} + \frac{1}{6} \times \frac{2}{3}$

a. Add c. Find common denominators
b. Multiply d. Find common numerators

7. Which expression does **NOT** equal $4 \times \frac{1}{3}$?

a. $1\frac{1}{3}$

b. $\frac{4}{3}$

c. $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$

d. $\frac{1}{3} \times \frac{1}{3} \times \frac{1}{3} \times \frac{1}{3}$

Short Answer

Change the following mixed numbers to improper fractions.

8. $4\frac{2}{3} =$

9. $7\frac{6}{11} =$

Change the following improper fractions to mixed numbers. Reduce to lowest terms if necessary.

10. $\frac{9}{2} =$

11. $\frac{26}{12} =$

Add or subtract the following fractions. Show your work. Give your answers as a mixed numbers (if applicable) in lowest terms.

12. $\frac{1}{9} + \frac{2}{9} =$

13. $\frac{2}{3} + \frac{1}{2} =$

14. $4\frac{1}{5} + 2\frac{3}{10} =$

15. $\frac{3}{4} - \frac{1}{5} =$

16. $\frac{11}{12} - \frac{1}{6} =$

17. $9\frac{7}{8} - 2\frac{1}{2} =$

Multiply the following fractions. Show your work. Give your answers as a mixed numbers (if applicable) in lowest terms.

18. $\frac{2}{3} \times 6$

19. $\frac{4}{7} \times \frac{3}{8}$

20. $\frac{5}{6} \times \frac{6}{10}$

21. $\frac{4}{9} \times \frac{6}{12}$

Divide the following fractions. Show your work. Give your answers as a mixed numbers (if applicable) in lowest terms.

22. $\frac{2}{5} \div 4$

23. $\frac{3}{4} \div \frac{1}{8} =$

24. $\frac{5}{6} \div \frac{2}{3} =$

25. $\frac{5}{16} \div \frac{3}{8} =$

Evaluate the following. **Show your work.** Give your answers as a mixed numbers (if applicable) in lowest terms.

26. $\frac{9}{10} \div \left(\frac{2}{5} + \frac{1}{5}\right)$

27. $\frac{3}{4} \times \frac{8}{9} - \frac{1}{9} \div \frac{2}{3}$

Word Problems

Show your work. Give your answer as mixed numbers (if applicable) in lowest terms.

28. A team won $\frac{5}{8}$ of the 40 games that they played. How many games did they win?
29. Sabrina has $3\frac{1}{3}$ L of ice cream to share equally among herself and her nine friends at her birthday party. How much ice cream will each get?
30. Five-sixths of the grade 9 students in a school are taking band. These band students are divided into four equal groups. What fraction of the grade 9 students is in each of these groups?