

Name: _____

Period: _____ Date: _____

Mixed Fractions

Section I. Use the LCM to compare and add/subtract fractions.

Determine the LCM	Compare the Fractions	Add/Subtract Leave in proper format
1a. 4 and 16	1b. $\frac{3}{4}$ $\frac{11}{16}$	1c. $\frac{3}{4} - \frac{11}{16}$
2a. 7 and 5	2b. $\frac{4}{7}$ $\frac{2}{5}$	2c. $\frac{4}{7} - \frac{2}{5}$
3a. 9 and 6	3b. $\frac{5}{9}$ $\frac{4}{6}$	3c. $\frac{5}{9} + \frac{4}{6}$
4a. 8 and 10	4b. $\frac{5}{8}$ $\frac{7}{10}$	4c. $\frac{5}{8} - \frac{7}{10}$

Section II. Use the GCF to reduce fractions.

Determine the GCF by Prime Factoring	Reduce the Fraction
5. 20 and 70	$\frac{20}{70}$
6. 36 and 90	$\frac{36}{90}$
7. 100 and 175	$\frac{100}{175}$
8. 135 and 108	$\frac{108}{135}$

Section III. Perform the indicated operation. Leave answers in reduced form.

9. $\frac{1}{3} + \frac{4}{15} =$

10. $\frac{9}{10} - \frac{3}{4} =$

11. $\frac{8}{9} \cdot \frac{15}{16} =$

12. $\frac{6}{11} \div \frac{5}{12} =$

13. $\frac{3}{8} + \frac{2}{5} =$

14. $\frac{5}{6} - \frac{5}{8} =$

15. $\frac{4}{5} \div \frac{8}{15} =$

16. $\frac{1}{3} \cdot \frac{4}{15} =$

17. $4\frac{5}{7} - 3\frac{1}{2} =$

18. $4\frac{3}{8} - (-\frac{7}{10}) =$

19. $\frac{4}{9} \cdot \frac{-3}{16} =$

20. $-3\frac{5}{9} \div (-8) =$

For questions 21 & 22, please leave your answer in [Proper Form](#)

21. Before soccer practice, your water bottle is $\frac{7}{8}$ full. After practice it is $\frac{2}{5}$ full. How much water did you drink during practice?

22. A carpenter used 24 boards each measuring $3\frac{3}{4}$ inches long. How many feet long is the porch the carpenter built?

23. If a fraction is multiplied by its reciprocal. What will the answer be? Please give an example to prove your answer.