

EXTRA PRACTICE 13**Operations with Fractional Notation**

Use after Sections 3.4-3.7, 4.2, and 4.3

Name _____

EXAMPLES: Add. $-\frac{3}{4} + \frac{2}{3} = -\frac{9}{12} + \frac{8}{12} = -\frac{1}{12}$

1. $-\frac{5}{6} + \left(-\frac{1}{3}\right) =$ _____

2. $\frac{5}{8} + \left(-\frac{2}{5}\right) =$ _____

3. $-\frac{7}{12} + \frac{1}{8} =$ _____

4. $-\frac{1}{4} + \left(-\frac{1}{6}\right) =$ _____

5. $\frac{5}{9} + \left(-\frac{3}{8}\right) =$ _____

6. $-\frac{2}{3} + \frac{9}{10} =$ _____

EXAMPLES: Subtract. $-\frac{3}{4} - \frac{2}{3} = -\frac{9}{12} + \left(-\frac{8}{12}\right) = -\frac{17}{12}$

7. $\frac{7}{10} - \frac{3}{2} =$ _____

8. $-\frac{1}{3} - \frac{1}{6} =$ _____

9. $-\frac{5}{8} - \left(-\frac{2}{3}\right) =$ _____

10. $\frac{5}{12} - \left(-\frac{2}{5}\right) =$ _____

11. $-\frac{3}{7} - \frac{3}{14} =$ _____

12. $-\frac{4}{9} - \left(-\frac{5}{6}\right) =$ _____

EXAMPLES: Multiply. $-\frac{3}{4} \cdot \left(\frac{2}{3}\right) = -\frac{1}{2}$

13. $\frac{3}{5} \cdot \left(-\frac{10}{9}\right) =$ _____

14. $-\frac{7}{8} \cdot \frac{12}{5} =$ _____

15. $-\frac{5}{8} \cdot \left(-\frac{16}{25}\right) =$ _____

16. $\frac{3}{10} \cdot \left(-\frac{20}{21}\right) =$ _____

17. $-\frac{12}{5} \cdot \frac{20}{3} =$ _____

18. $-\frac{5}{9} \cdot \left(-\frac{18}{35}\right) =$ _____

EXAMPLES: Divide. $-\frac{3}{4} \div -\frac{2}{3} = -\frac{3}{4} \cdot \left(-\frac{3}{2}\right) = \frac{9}{8}$

19. $\frac{7}{8} \div \left(-\frac{3}{16}\right) =$ _____

20. $-\frac{7}{9} \div \frac{28}{27} =$ _____

21. $-\frac{5}{6} \div \left(-\frac{5}{24}\right) =$ _____

22. $\frac{8}{9} \div \left(-\frac{16}{15}\right) =$ _____

23. $-\frac{1}{3} \div \frac{1}{3} =$ _____

24. $-\frac{3}{7} \div \left(-\frac{9}{14}\right) =$ _____

