

FRACTION & DECIMAL OPERATIONS (6TH GRADE)

I: DIVIDING FRACTIONS					Find each quotient. Simplify your answer.
1. $\frac{2}{3} \div \frac{1}{4}$ _____	2. $\frac{5}{8} \div \frac{3}{10}$ _____	3. $\frac{7}{12} \div \frac{2}{5}$ _____	4. $4 \div \frac{1}{6}$ _____	5. $\frac{1}{5} \div 3$ _____	
6. $3\frac{1}{2} \div 1\frac{1}{4}$ _____	7. $\frac{8}{9} \div \frac{2}{3}$ _____	8. $\frac{1}{10} \div 5$ _____	9. $2\frac{1}{4} \div \frac{3}{4}$ _____	10. $\frac{10}{11} \div \frac{4}{5}$ _____	
II: MULTIPLYING DECIMALS					Multiply each pair of decimals.
11. 3.5×1.2 _____	12. 0.75×0.4 _____	13. 8.1×0.2 _____	14. 12.34×0.5 _____	15. 9.9×0.15 _____	
16. 2.06×10 _____	17. 0.06×1.7 _____	18. 0.08×0.7 _____	19. 15.1×2.3 _____	20. 7.5×0.009 _____	
III: FRACTION ADDITION & SUBTRACTION					Calculate the sum or difference. Simplify all answers.
21. $\frac{1}{2} + \frac{1}{4}$ _____	22. $\frac{3}{5} - \frac{1}{10}$ _____	23. $\frac{5}{8} + \frac{2}{3}$ _____	24. $\frac{4}{9} - \frac{1}{6}$ _____	25. $\frac{7}{10} + \frac{3}{5}$ _____	
26. $5\frac{1}{4} - 2\frac{3}{8}$ _____	27. $\frac{1}{4} + \frac{1}{6}$ _____	28. $\frac{3}{4} - \frac{1}{2}$ _____	29. $\frac{2}{7} + \frac{3}{14}$ _____	30. $\frac{4}{5} + \frac{1}{3}$ _____	
IV: DECIMAL ADDITION & SUBTRACTION					Align decimal points.
31. $4.56 + 3.1$ _____	32. $9.87 - 5.23$ _____	33. $12.0 + 3.75$ _____	34. $20.1 - 4.98$ _____	35. $6.72 + 11.9$ _____	
36. $18.3 - 7.64$ _____	37. $25.0 + 13.12$ _____	38. $30.2 - 14.5$ _____	39. $8.125 + 0.4$ _____	40. $9.99 - 1.234$ _____	

FRACTION & DECIMAL OPERATIONS — ANSWER KEY

I: DIVIDING FRACTIONS					Solutions (Simplified / Mixed Numbers)
1. $\frac{2}{3} \div \frac{1}{4}$ $2\frac{2}{3}$	2. $\frac{5}{8} \div \frac{3}{10}$ $2\frac{1}{12}$	3. $\frac{7}{12} \div \frac{2}{5}$ $1\frac{11}{24}$	4. $4 \div \frac{1}{6}$ 24	5. $\frac{1}{5} \div 3$ $\frac{1}{15}$	
6. $3\frac{1}{2} \div 1\frac{1}{4}$ $2\frac{4}{5}$	7. $\frac{8}{9} \div \frac{2}{3}$ $1\frac{1}{3}$	8. $\frac{1}{10} \div 5$ $\frac{1}{50}$	9. $2\frac{1}{4} \div \frac{3}{4}$ 3	10. $\frac{10}{11} \div \frac{4}{5}$ $1\frac{3}{22}$	
II: MULTIPLYING DECIMALS					Solutions
11. 3.5×1.2 4.2	12. 0.75×0.4 0.3	13. 8.1×0.2 1.62	14. 12.34×0.5 6.17	15. 9.9×0.15 1.485	
16. 2.06×10 20.6	17. 0.06×1.7 0.102	18. 0.08×0.7 0.056	19. 15.1×2.3 34.73	20. 7.5×0.009 0.0675	
III: FRACTION ADDITION & SUBTRACTION					Solutions
21. $\frac{1}{2} + \frac{1}{4}$ $\frac{3}{4}$	22. $\frac{3}{5} - \frac{1}{10}$ $\frac{1}{2}$	23. $\frac{5}{8} + \frac{2}{3}$ $1\frac{7}{24}$	24. $\frac{4}{9} - \frac{1}{6}$ $\frac{5}{18}$	25. $\frac{7}{10} + \frac{3}{5}$ $1\frac{3}{10}$	
26. $5\frac{1}{4} - 2\frac{3}{8}$ $2\frac{7}{8}$	27. $\frac{1}{4} + \frac{1}{6}$ $\frac{5}{12}$	28. $\frac{3}{4} - \frac{1}{2}$ $\frac{1}{4}$	29. $\frac{2}{7} + \frac{3}{14}$ $\frac{1}{2}$	30. $\frac{4}{5} + \frac{1}{3}$ $1\frac{2}{15}$	
IV: DECIMAL ADDITION & SUBTRACTION					Solutions
31. $4.56 + 3.1$ 7.66	32. $9.87 - 5.23$ 4.64	33. $12.0 + 3.75$ 15.75	34. $20.1 - 4.98$ 15.12	35. $6.72 + 11.9$ 18.62	
36. $18.3 - 7.64$ 10.66	37. $25.0 + 13.12$ 38.12	38. $30.2 - 14.5$ 15.7	39. $8.125 + 0.4$ 8.525	40. $9.99 - 1.234$ 8.756	