

Multiplying and Dividing Mixed Numbers

Multiply:

1. $2\frac{1}{5} \cdot 3\frac{1}{2}$ 2. $5\frac{5}{6} \cdot 7\frac{1}{6}$ 3. $5 \cdot 2\frac{1}{2}$ 4. $1\frac{2}{3} \cdot 2\frac{1}{4}$ 5. $3\frac{1}{5} \cdot 2\frac{3}{4}$ 6. $2\frac{1}{3} \cdot 3\frac{1}{4}$

7. $5\frac{1}{5} \cdot 6\frac{1}{4}$ 8. $5\frac{1}{3} \cdot 2\frac{1}{4}$ 9. $6\frac{7}{8} \cdot 5\frac{3}{5}$ 10. $7\frac{3}{4} \cdot 2\frac{1}{9}$ 11. $3\frac{1}{8} \cdot 4\frac{2}{5} \cdot 5\frac{1}{3}$

Answers: 1. $\frac{77}{10} = 7\frac{7}{10}$ 2. $\frac{1505}{36} = 41\frac{29}{36}$ 3. $\frac{25}{2} = 12\frac{1}{2}$ 4. $\frac{15}{4} = 3\frac{3}{4}$ 5. $\frac{44}{5} = 8\frac{4}{5}$
6. $\frac{91}{12} = 7\frac{7}{12}$ 7. $\frac{62}{2} = 32\frac{1}{2}$ 8. 12 9. $\frac{77}{2} = 38\frac{1}{2}$ 10. $\frac{589}{36} = 16\frac{13}{36}$ 11. $\frac{220}{3} = 73\frac{1}{3}$

Divide:

12. $\frac{5}{6} \div 25$ 13. $5\frac{1}{2} \div 11$ 14. $1\frac{1}{2} \div 1\frac{3}{8}$ 15. $8\frac{1}{4} \div 2\frac{3}{4}$ 16. $2\frac{1}{16} \div 2\frac{1}{2}$

17. $7\frac{3}{5} \div 1\frac{7}{12}$ 18. $16\frac{5}{8} \div 1\frac{2}{3}$ 19. $24\frac{4}{5} \div 2\frac{3}{5}$ 20. $1\frac{1}{3} \div 5\frac{8}{9}$ 21. $8\frac{8}{9} \div 2\frac{13}{18}$

Answers: 12. $\frac{1}{30}$ 13. $\frac{1}{2}$ 14. $\frac{12}{11} = 1\frac{1}{11}$ 15. 3 16. $\frac{33}{40}$ 17. $\frac{24}{5} = 4\frac{4}{5}$
18. $\frac{399}{40} = 9\frac{39}{40}$ 19. $\frac{124}{13} = 9\frac{7}{13}$ 20. $\frac{12}{53}$ 21. $\frac{160}{49} = 3\frac{13}{49}$