

SHOW ALL WORK!

Multiply and simplify completely.

1. $\frac{1}{9} \times \frac{1}{2} = \frac{1}{18}$ 2. $\frac{7}{10} \times \frac{2}{5} = \frac{7}{25}$ 3. $\frac{3}{8} \times \frac{2}{7} = \frac{3}{28}$ 4. $\frac{1}{2} \times \frac{3}{16} = \frac{3}{32}$

5. $\frac{3}{4} \times \frac{2}{3} = \frac{1}{2}$ 6. $\frac{7}{16} \times \frac{4}{3} = \frac{7}{12}$ 7. $\frac{15}{64} \times \frac{1}{124} = \frac{5}{256}$ 8. $\frac{2}{9} \times \frac{5}{9} = \frac{10}{81}$

Divide and simplify completely.

9. $\frac{1}{2} \div \frac{1}{4} =$
 $\frac{1}{2} \cdot 4 = 2$ 10. $\frac{2}{5} \div \frac{1}{2} =$
 $\frac{2}{5} \cdot 2 = \frac{4}{5}$ 11. $\frac{8}{3} \div \frac{2}{3} =$
 $\frac{8}{3} \cdot \frac{3}{2} = 4$ 12. $\frac{2}{9} \div \frac{1}{3} =$
 $\frac{2}{9} \cdot 3 = \frac{2}{3}$

13. $\frac{4}{11} \div \frac{1}{11} =$
 $\frac{4}{11} \cdot 11 = 4$ 14. $\frac{2}{7} \div \frac{5}{9} =$
 $\frac{2}{7} \cdot \frac{9}{5} = \frac{18}{35}$ 15. $\frac{2}{3} \div 4 =$
 $\frac{2}{3} \cdot \frac{1}{4} = \frac{1}{6}$ 16. $14 \div \frac{7}{8} =$
 $2 \frac{14}{1} \cdot \frac{8}{7} = 16$

Add/subtract and simplify completely.

17. $\frac{3}{8} + \frac{7}{8} =$
 $\frac{10}{8} = \frac{5}{4}$ 18. $\frac{2}{3} + \frac{3}{4} =$
 $\frac{8}{12} + \frac{9}{12} = \frac{17}{12}$ 19. $\frac{3}{32} + \frac{1}{8} =$
 $\frac{3}{32} + \frac{4}{32} = \frac{7}{32}$ 20. $\frac{3}{5} + \frac{5}{6} =$
 $\frac{18}{30} + \frac{25}{30} = \frac{43}{30}$

21. $\frac{5}{8} + \frac{1}{10} =$
 $\frac{25}{40} + \frac{4}{40} = \frac{29}{40}$ 22. $\frac{7}{8} - \frac{3}{10} =$
 $\frac{35}{40} - \frac{12}{40} = \frac{23}{40}$ 23. $\frac{1}{4} + \frac{1}{5} =$
 $\frac{5}{20} + \frac{4}{20} = \frac{9}{20}$ 24. $\frac{9}{10} - \frac{3}{16} =$
 $\frac{72}{80} - \frac{15}{80} = \frac{57}{80}$