

Perform the indicated operation(s) and simplify completely. You will benefit from this exercise more if you do NOT use your calculator.

1.  $\frac{24}{9}$

2.  $\frac{3}{5} + \frac{7}{2}$

3.  $\frac{2}{3} - \frac{5}{8}$

4.  $\frac{1}{6} + \frac{13}{8}$

5.  $\frac{7}{6} \left( \frac{4}{5} \right)$

6.  $3 \left( \frac{4}{6} \right)$

7.  $2 \left( \frac{3}{7} \right)$

8.  $\frac{3}{5} \div \frac{2}{7}$

9.  $\left( \frac{2}{5} + \frac{1}{2} \right) \div \frac{3}{8}$

10.  $\frac{9}{5} \div \left( \frac{2}{7} - \frac{3}{5} \right)$

11.  $\left( \frac{\frac{1}{6} + \frac{2}{3}}{\frac{7}{2} - \frac{5}{6}} \right) \div \left( \frac{\frac{5}{2} - \frac{4}{9}}{\frac{2}{7} + \frac{1}{3}} \right)$

12.  $\frac{\frac{2}{7}}{\frac{2}{7} - \frac{1}{1 - \frac{3}{8}}}$

13.  $\frac{2}{1 - \frac{3}{5}} \left[ \frac{\left( \frac{2}{3} - \frac{1}{9} \right)}{\left( \frac{2}{3} + \frac{1}{9} \right)} \right]$

14.  $\frac{\frac{3}{4} - \frac{5}{3}}{\frac{1}{6} + \frac{1}{4}}$

15.  $3 + \frac{5}{6}$

16.  $\frac{\frac{1}{2} + \frac{1}{3}}{\frac{1}{4} + \frac{1}{5}}$

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

18.  $\frac{\frac{3}{4} \left( \frac{2}{3} - \frac{1}{5} \right)}{\frac{1}{3} \left( \frac{1}{2} + \frac{1}{7} \right)}$

19.  $3 \left( \frac{1}{5} - \frac{1}{2} + \frac{2}{3} \right) \div \frac{5}{8}$

20.  $\frac{1}{5} \left( \frac{1}{2} + \frac{1}{3} - \frac{2}{5} \right) - 2$

21.  $\frac{2}{1 - \frac{1}{2 - \frac{1}{1 - \frac{1}{3}}}}$

22.  $1 - \frac{1}{1 - \frac{1}{1 - \frac{2}{5}}}$

23.  $\frac{1}{12} \left\{ \frac{1}{2} \left[ \frac{1}{3} \left( \frac{1}{2} (144) \right) \right] \right\}$

24.  $\frac{2 - \frac{7}{16}}{3 + \frac{2}{9}} + \frac{1 - \frac{1}{8}}{6 + \frac{5}{3}}$

25.  $\frac{\left( \frac{1}{\frac{1}{3} - \frac{1}{5}} \right)}{\frac{1}{3} + \frac{1}{5}}$

26.  $\frac{\left( \frac{2}{5} \right) + \frac{4}{7}}{\left( \frac{3}{2} \right) - \left( \frac{4}{7} \right)}$