

## Order of Operations — Fractions (Questions)

1.  $\frac{3}{4} + \frac{5}{6} \times 2$

2.  $\left(\frac{7}{3} - \frac{1}{6}\right) \times \frac{3}{5}$

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

4.  $\left(\frac{9}{4} + \frac{3}{8}\right) \div \frac{3}{2}$

5.  $\frac{7}{5} \times \left(\frac{10}{7} - \frac{1}{2}\right)$

$$6. \frac{4}{3} + \frac{5}{6} \div \frac{5}{3}$$

$$7. \left( \frac{11}{6} - \frac{1}{3} \right) \times \frac{6}{5}$$

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

$$9. \left( \frac{3}{2} \right)^2 - \frac{1}{4}$$

$$10. \frac{9}{10} + \frac{4}{5} \times \frac{5}{8}$$

$$11. \left( \frac{7}{4} - \frac{3}{8} \right) \div \frac{7}{8}$$

$$12. \frac{6}{5} \times \left( \frac{5}{6} + \frac{1}{3} \right)$$

$$13. \frac{10}{3} - \left( \frac{5}{6} \times \frac{4}{5} \right)$$

$$14. \left( \frac{12}{5} \div \frac{6}{5} \right) + \frac{1}{4}$$

$$15. \frac{7}{6} + \left( \frac{2}{3} \right)^2$$

$$16. \left( \frac{9}{5} - \frac{3}{10} \right) \times \frac{2}{3}$$

$$17. \frac{5}{4} \div \frac{5}{8} - \frac{1}{2}$$

$$18. \left( \frac{11}{10} + \frac{9}{20} \right) \times \frac{5}{4}$$

$$19. \frac{8}{3} - \frac{2}{3} \times \frac{5}{4}$$

$$20. \left( \frac{15}{8} \div \frac{5}{4} \right) + \frac{1}{2}$$

## Numerical Solutions (No Working)

1.  $\frac{29}{12}$

2.  $\frac{13}{10}$

3. 1

4.  $\frac{7}{4}$

5.  $\frac{13}{10}$

6.  $\frac{11}{6}$

7.  $\frac{9}{5}$

8.  $\frac{16}{9}$

9. 2

10.  $\frac{7}{5}$

11.  $\frac{11}{7}$

12.  $\frac{7}{5}$

13.  $\frac{8}{3}$

14.  $\frac{9}{4}$

15.  $\frac{29}{18}$

16. 1

17.  $\frac{3}{2}$

18.  $\frac{31}{16}$

19.  $\frac{11}{6}$

20. 2

## Order of Operations — Fractions (Hard)

1.  $\frac{3}{5} + \frac{4}{3} \times \frac{5}{8} - \left(\frac{2}{3} \div \frac{4}{9}\right)$

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

3.  $\frac{9}{10} + \frac{6}{5} \times \frac{3}{4} - \frac{8}{9} \div \frac{4}{3}$

4.  $\left(\frac{5}{6} + \frac{7}{12}\right) \times \frac{4}{5} - \frac{2}{3}$

5.  $\frac{11}{8} - \frac{3}{4} \div \frac{6}{5} + \frac{2}{3} \times \frac{9}{10}$

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

$$7. \frac{10}{9} - \left( \frac{4}{5} \div \frac{8}{15} \right) + \frac{7}{6} \times \frac{3}{7}$$

$$8. \left( \frac{3}{4} + \frac{5}{8} \right) \times \frac{6}{5} - \frac{9}{10} \div \frac{3}{5}$$

$$9. \frac{11}{12} + \frac{5}{6} \times \left( \frac{7}{10} - \frac{1}{5} \right) - \left( \frac{4}{5} \div \frac{8}{5} \right)$$

$$10. \frac{5}{4} - \frac{3}{8} + \frac{4}{3} \times \left( \frac{3}{4} - \frac{3}{8} \right)$$

$$11. \frac{8}{15} + \frac{3}{5} \times \frac{10}{9} - \frac{4}{3} \div \frac{8}{9}$$

$$12. \left( \frac{7}{10} - \frac{1}{5} \right) \times \frac{5}{7} + \frac{3}{4} - \left( \frac{2}{3} \div \frac{4}{3} \right)$$

$$13. \frac{7}{6} + \frac{5}{6} \times \left( \frac{7}{5} - \frac{1}{5} \right) - \left( \frac{3}{4} \div \frac{3}{2} \right)$$

$$14. \frac{9}{8} - \left( \frac{3}{4} \div \frac{9}{16} \right) + \frac{5}{6} \times \frac{3}{5}$$

$$15. \left( \frac{5}{6} + \frac{1}{3} \right) \times \frac{3}{5} - \left( \frac{3}{4} \div \frac{3}{2} \right)$$



$$16. \frac{6}{5} + \frac{2}{3} \times \frac{5}{4} - \left( \frac{5}{6} \div \frac{5}{3} \right)$$

$$17. \frac{11}{12} - \frac{2}{3} + \frac{5}{6} \times \left( \frac{3}{5} - \frac{1}{10} \right)$$

$$18. \left( \frac{3}{5} + \frac{7}{4} \right) \times 2 - \left( \frac{4}{5} \div \frac{8}{5} \right)$$

$$19. \frac{5}{6} + \frac{9}{10} \times \frac{4}{3} - \frac{6}{5} \div \frac{12}{25}$$

$$20. \frac{7}{5} - \left( \frac{2}{3} \times \frac{9}{10} \right) + \frac{4}{7} \div \frac{2}{7}$$

## Numerical Solutions (No Working)

1.  $-\frac{1}{15}$

2.  $\frac{25}{24}$

3.  $\frac{17}{15}$

4.  $\frac{7}{15}$

5.  $\frac{27}{20}$

6.  $\frac{4}{3}$

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

8.  $\frac{3}{20}$

9.  $\frac{5}{6}$

10.  $\frac{11}{8}$

11.  $-\frac{3}{10}$

12.  $\frac{17}{28}$

13.  $\frac{5}{3}$

14.  $\frac{7}{24}$

15.  $\frac{1}{5}$

16.  $\frac{23}{15}$

17.  $\frac{2}{3}$

18.  $\frac{21}{5}$

19.  $-\frac{7}{15}$

20.  $\frac{14}{5}$