

Order of Operations (A)

Perform the operations in the correct order.

1. $12 - \left(\frac{8}{5} + 3 \div \frac{2}{3}\right)$

6. $\frac{11}{2} + \frac{9}{2} - (3 - 2)$

11. $4 - \frac{4}{3} \times \frac{5}{4} + \frac{11}{6}$

2. $\left(\frac{9}{2} + \frac{5}{2}\right) \div \frac{11}{2} \div \frac{1}{5}$

7. $10 + 4 - \frac{3}{2} - \frac{9}{2}$

12. $\left(\frac{11}{3} - \frac{7}{3} + 2\right) \div \frac{2}{5}$

3. $5^{\frac{2}{3}+1+\frac{1}{3}}$

8. $\frac{4^2}{3} \times 5 \times 1$

13. $1 - 1 + 8 - \frac{2}{5}$

4. $\frac{1}{2} \div \frac{9}{4} \times \left(11 - \frac{4}{3}\right)$

9. $2 \times \frac{1}{3} \div 2 \times \frac{6}{5}$

14. $3 - 2 + 2 - 1$

5. $\frac{1^3}{2} + \frac{3}{2} \div \frac{2}{3}$

10. $(1 + 2)^{\frac{8}{3} \times \frac{3}{4}}$

15. $2 \div (8 \times 8 - 2)$

Order of Operations (A) Answers

Perform the operations in the correct order.

$$1. 12 - \left(\frac{8}{5} + 3 \div \frac{2}{3}\right) \\ = \frac{59}{10}$$

$$6. \frac{11}{2} + \frac{9}{2} - (3 - 2) \\ = 9$$

$$11. 4 - \frac{4}{3} \times \frac{5}{4} + \frac{11}{6} \\ = \frac{25}{6}$$

$$2. \left(\frac{9}{2} + \frac{5}{2}\right) \div \frac{11}{2} \div \frac{1}{5} \\ = \frac{70}{11}$$

$$7. 10 + 4 - \frac{3}{2} - \frac{9}{2} \\ = 8$$

$$12. \left(\frac{11}{3} - \frac{7}{3} + 2\right) \div \frac{2}{5} \\ = \frac{25}{3}$$

$$3. 5^{\frac{2}{3}+1+\frac{1}{3}} \\ = 25$$

$$8. \frac{4^2}{3} \times 5 \times 1 \\ = \frac{80}{9}$$

$$13. 1 - 1 + 8 - \frac{2}{5} \\ = \frac{38}{5}$$

$$4. \frac{1}{2} \div \frac{9}{4} \times \left(11 - \frac{4}{3}\right) \\ = \frac{58}{27}$$

$$9. 2 \times \frac{1}{3} \div 2 \times \frac{6}{5} \\ = \frac{2}{5}$$

$$14. 3 - 2 + 2 - 1 \\ = 2$$

$$5. \frac{1^3}{2} + \frac{3}{2} \div \frac{2}{3} \\ = \frac{19}{8}$$

$$10. (1 + 2)^{\frac{8}{3} \times \frac{3}{4}} \\ = 9$$

$$15. 2 \div (8 \times 8 - 2) \\ = \frac{1}{31}$$

Order of Operations (B)

Perform the operations in the correct order.

1. $\left(\frac{3}{2} \times 4\right)^{\frac{1}{2} + \frac{3}{2}}$

6. $4 \div \frac{2^{2-1}}{3}$

11. $1^1 + 4 - \frac{1}{6}$

2. $\left(\frac{11}{3} \div 1 - \frac{10}{3}\right)^2$

7. $((1 + 1) \times 3)^2$

12. $6 \times 1 \div \left(\frac{5}{2} + \frac{1}{3}\right)$

3. $\left(\frac{3}{2} + \frac{3}{2} \times 2\right)^2$

8. $\left(9 - \frac{7}{5}\right) \div 1 - \frac{4}{3}$

13. $\frac{8}{3} \times \left(3 - \left(\frac{4}{3} - \frac{1}{6}\right)\right)$

4. $5 + 3^4 \div \frac{3}{2}$

9. $\frac{1}{3} \times \frac{4}{5} \times \frac{2}{3} \div \frac{8}{5}$

14. $\left(2 - 4 \times \frac{1}{5}\right)^2$

5. $\frac{11}{5} \div \frac{2}{5} + 3 + \frac{1}{3}$

10. $\left(\frac{9}{4} \div 12\right)^1 \times \frac{7}{6}$

15. $2 + \frac{7^2}{4} - \frac{7}{4}$

Order of Operations (B) Answers

Perform the operations in the correct order.

$$1. \left(\frac{3}{2} \times 4\right)^{\frac{1}{2} + \frac{3}{2}} \\ = 36$$

$$6. 4 \div \frac{2^{2-1}}{3} \\ = 6$$

$$11. 1^1 + 4 - \frac{1}{6} \\ = \frac{29}{6}$$

$$2. \left(\frac{11}{3} \div 1 - \frac{10}{3}\right)^2 \\ = \frac{1}{9}$$

$$7. ((1+1) \times 3)^2 \\ = 36$$

$$12. 6 \times 1 \div \left(\frac{5}{2} + \frac{1}{3}\right) \\ = \frac{36}{17}$$

$$3. \left(\frac{3}{2} + \frac{3}{2} \times 2\right)^2 \\ = \frac{81}{4}$$

$$8. \left(9 - \frac{7}{5}\right) \div 1 - \frac{4}{3} \\ = \frac{94}{15}$$

$$13. \frac{8}{3} \times \left(3 - \left(\frac{4}{3} - \frac{1}{6}\right)\right) \\ = \frac{44}{9}$$

$$4. 5 + 3^4 \div \frac{3}{2} \\ = 59$$

$$9. \frac{1}{3} \times \frac{4}{5} \times \frac{2}{3} \div \frac{8}{5} \\ = \frac{1}{9}$$

$$14. \left(2 - 4 \times \frac{1}{5}\right)^2 \\ = \frac{36}{25}$$

$$5. \frac{11}{5} \div \frac{2}{5} + 3 + \frac{1}{3} \\ = \frac{53}{6}$$

$$10. \left(\frac{9}{4} \div 12\right)^1 \times \frac{7}{6} \\ = \frac{7}{32}$$

$$15. 2 + \frac{7^2}{4} - \frac{7}{4} \\ = \frac{53}{16}$$

Order of Operations (C)

Perform the operations in the correct order.

1. $(4 \times \frac{1}{2})^5 + 5$

6. $(4 \div 1 - 2)^2$

11. $2 - \frac{5}{4} \div (3 \times 5)$

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

7. $7 - \frac{1}{2} \times 2 \div 4$

12. $((2 \times 1)^2)^3$

3. $(3 \div 4)^{3 \times \frac{2}{3}}$

8. $3^2 + \frac{11}{4} + 3$

13. $(4 - (1 + \frac{5}{2})) \div 2$

4. $2^5 + 1 \times 1$

9. $\frac{11}{4} + \frac{5}{3} - \frac{1}{6} - 1$

14. $2^{2^2} \times 1$

5. $1 + \frac{5}{3} + \frac{9}{5} + 2$

10. $1 \div ((3 - \frac{5}{6}) \div \frac{1}{2})$

15. $(2 + 2^3)^2$

Order of Operations (C) Answers

Perform the operations in the correct order.

$$1. (4 \times \frac{1}{2})^5 + 5 \\ = 37$$

$$6. (4 \div 1 - 2)^2 \\ = 4$$

$$11. 2 - \frac{5}{4} \div (3 \times 5) \\ = \frac{23}{12}$$

$$2. 2 - (\frac{4}{3} - 1)^2 \\ = \frac{17}{9}$$

$$7. 7 - \frac{1}{2} \times 2 \div 4 \\ = \frac{27}{4}$$

$$12. ((2 \times 1)^2)^3 \\ = 64$$

$$3. (3 \div 4)^{3 \times \frac{2}{3}} \\ = \frac{9}{16}$$

$$8. 3^2 + \frac{11}{4} + 3 \\ = \frac{59}{4}$$

$$13. (4 - (1 + \frac{5}{2})) \div 2 \\ = \frac{1}{4}$$

$$4. 2^5 + 1 \times 1 \\ = 33$$

$$9. \frac{11}{4} + \frac{5}{3} - \frac{1}{6} - 1 \\ = \frac{13}{4}$$

$$14. 2^{2^2} \times 1 \\ = 16$$

$$5. 1 + \frac{5}{3} + \frac{9}{5} + 2 \\ = \frac{97}{15}$$

$$10. 1 \div ((3 - \frac{5}{6}) \div \frac{1}{2}) \\ = \frac{3}{13}$$

$$15. (2 + 2^3)^2 \\ = 100$$

Order of Operations (D)

Perform the operations in the correct order.

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

6. $3 \div 10^{2 \times \frac{1}{2}}$

11. $1^{\frac{9}{3}} \times (\frac{7}{3} - \frac{7}{3})$

2. $5 - (\frac{9}{2} - \frac{2^2}{3})$

7. $((2 - \frac{1}{2}) \times 1)^3$

12. $\frac{11}{4} \div \frac{3}{2} \times (2 - \frac{3}{2})$

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

8. $(3^{\frac{7}{2} - \frac{3}{2}})^2$

13. $1 + (2 + 4) \times \frac{11}{4}$

4. $\frac{3}{2}^{1^1 \times 4}$

9. $\frac{10}{3} \times \frac{10}{3} - \frac{7}{6} \times 4$

14. $8 \div \frac{4}{3} \div \frac{2^3}{3}$

5. $(3 - \frac{7}{3}) \div 1 \times \frac{2}{3}$

10. $5^2 - \frac{1}{3} \times 2$

15. $\frac{3}{2} + \frac{2}{3} - \frac{2^2}{3}$

Order of Operations (D) Answers

Perform the operations in the correct order.

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

$$6. 3 \div 10^{2 \times \frac{1}{2}} \\ = \frac{3}{10}$$

$$11. 1^{\frac{9}{3}} \times \left(\frac{7}{3} - \frac{7}{3}\right) \\ = 1$$

$$2. 5 - \left(\frac{9}{2} - \frac{2^2}{3}\right) \\ = \frac{17}{18}$$

$$7. \left(\left(2 - \frac{1}{2}\right) \times 1\right)^3 \\ = \frac{27}{8}$$

$$12. \frac{11}{4} \div \frac{3}{2} \times \left(2 - \frac{3}{2}\right) \\ = \frac{11}{12}$$

$$3. 3^{\frac{1}{5} + 3 - \frac{6}{5}} \\ = 9$$

$$8. \left(3^{\frac{7}{2} - \frac{3}{2}}\right)^2 \\ = 81$$

$$13. 1 + (2 + 4) \times \frac{11}{4} \\ = \frac{35}{2}$$

$$4. \frac{3}{2}^{1 \times 4} \\ = \frac{81}{16}$$

$$9. \frac{10}{3} \times \frac{10}{3} - \frac{7}{6} \times 4 \\ = \frac{58}{9}$$

$$14. 8 \div \frac{4}{3} \div \frac{2^3}{3} \\ = \frac{81}{4}$$

$$5. \left(3 - \frac{7}{3}\right) \div 1 \times \frac{2}{3} \\ = \frac{4}{9}$$

$$10. 5^2 - \frac{1}{3} \times 2 \\ = \frac{73}{3}$$

$$15. \frac{3}{2} + \frac{2}{3} - \frac{2^2}{3} \\ = \frac{31}{18}$$

Order of Operations (E)

Perform the operations in the correct order.

1. $(2^2)^1 + 1$

6. $\frac{2}{3} \times \frac{5}{3} \div (2 \times \frac{3}{2})$

11. $\frac{5}{3} + \frac{8}{3} + 11 - \frac{2}{3}$

2. $\frac{9}{2} - \frac{7}{5} + \frac{1}{2} + \frac{1}{3}$

7. $6^{3-2} - \frac{4}{5}$

12. $\frac{9}{5} (\frac{7}{2} - \frac{3}{2})^1$

3. $\frac{4}{3} \times (\frac{1}{2} + 1^2)$

8. $(\frac{9}{5} + 12 - \frac{11}{5}) \div 2$

13. $3 + \frac{5}{3} + \frac{9}{4} + \frac{7}{3}$

4. $(4 - 2)^6 - 4$

9. $2 - \frac{2}{3} - (\frac{5}{3} - \frac{1}{2})$

14. $\frac{5}{6} \times (2 + \frac{11}{5}) \div \frac{3}{4}$

5. $(1 \times 2)^{2^1}$

10. $(4 - 3) \times (\frac{6}{5} + 5)$

15. $(\frac{5}{2} + \frac{7^2}{4})^1$

Order of Operations (E) Answers

Perform the operations in the correct order.

$$1. (2^2)^1 + 1 \\ = 5$$

$$6. \frac{2}{3} \times \frac{5}{3} \div (2 \times \frac{3}{2}) \\ = \frac{10}{27}$$

$$11. \frac{5}{3} + \frac{8}{3} + 11 - \frac{2}{3} \\ = \frac{44}{3}$$

$$2. \frac{9}{2} - \frac{7}{5} + \frac{1}{2} + \frac{1}{3} \\ = \frac{59}{15}$$

$$7. 6^{3-2} - \frac{4}{5} \\ = \frac{26}{5}$$

$$12. \frac{9}{5} \left(\frac{7-3}{2}\right)^1 \\ = \frac{81}{25}$$

$$3. \frac{4}{3} \times \left(\frac{1}{2} + 1^2\right) \\ = 2$$

$$8. \left(\frac{9}{5} + 12 - \frac{11}{5}\right) \div 2 \\ = \frac{29}{5}$$

$$13. 3 + \frac{5}{3} + \frac{9}{4} + \frac{7}{3} \\ = \frac{37}{4}$$

$$4. (4-2)^6 - 4 \\ = 60$$

$$9. 2 - \frac{2}{3} - \left(\frac{5}{3} - \frac{1}{2}\right) \\ = \frac{1}{6}$$

$$14. \frac{5}{6} \times \left(2 + \frac{11}{5}\right) \div \frac{3}{4} \\ = \frac{14}{3}$$

$$5. (1 \times 2)^{2^1} \\ = 4$$

$$10. (4-3) \times \left(\frac{6}{5} + 5\right) \\ = \frac{31}{5}$$

$$15. \left(\frac{5}{2} + \frac{7^2}{4}\right)^1 \\ = \frac{89}{16}$$

Order of Operations (F)

Perform the operations in the correct order.

1. $1 \div (1 \times 4^1)$

6. $2 \times (1 + 2) \times \frac{9}{2}$

11. $1 + 4 - \frac{7}{3} \times \frac{1}{2}$

2. $(2 \div 2 + 1)^2$

7. $1 \div (2 + \frac{1}{6}) \times \frac{11}{2}$

12. $(3 \div 1)^{2^2}$

3. $\frac{7}{2} \div 2 \div 2^3$

8. $3 - \frac{3}{4} + \frac{5^2}{6}$

13. $1 + \frac{3}{2} \times (5 + \frac{11}{3})$

4. $6 - (\frac{3}{2} - \frac{1}{6})^3$

9. $2^{11-6} \times \frac{3}{2}$

14. $1 \times \frac{1}{2} \div (\frac{1}{3} + \frac{1}{2})$

5. $(\frac{1}{6} + 2^1) \div \frac{2}{3}$

10. $\frac{10^2}{3} - 4 - \frac{8}{3}$

15. $4 - \frac{11}{3} \div (3 \times 3)$

Order of Operations (F) Answers

Perform the operations in the correct order.

$$1. 1 \div (1 \times 4^1) \\ = \frac{1}{4}$$

$$6. 2 \times (1 + 2) \times \frac{9}{2} \\ = 27$$

$$11. 1 + 4 - \frac{7}{3} \times \frac{1}{2} \\ = \frac{23}{6}$$

$$2. (2 \div 2 + 1)^2 \\ = 4$$

$$7. 1 \div (2 + \frac{1}{6}) \times \frac{11}{2} \\ = \frac{33}{13}$$

$$12. (3 \div 1)^{2^2} \\ = 81$$

$$3. \frac{7}{2} \div 2 \div 2^3 \\ = \frac{7}{32}$$

$$8. 3 - \frac{3}{4} + \frac{5^2}{6} \\ = \frac{53}{18}$$

$$13. 1 + \frac{3}{2} \times (5 + \frac{11}{3}) \\ = 14$$

$$4. 6 - (\frac{3}{2} - \frac{1}{6})^3 \\ = \frac{98}{27}$$

$$9. 2^{11-6} \times \frac{3}{2} \\ = 48$$

$$14. 1 \times \frac{1}{2} \div (\frac{1}{3} + \frac{1}{2}) \\ = \frac{3}{5}$$

$$5. (\frac{1}{6} + 2^1) \div \frac{2}{3} \\ = \frac{13}{4}$$

$$10. \frac{10^2}{3} - 4 - \frac{8}{3} \\ = \frac{40}{9}$$

$$15. 4 - \frac{11}{3} \div (3 \times 3) \\ = \frac{97}{27}$$

Order of Operations (G)

Perform the operations in the correct order.

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

6. $(3 - 3) \times (11 + 2)$

11. $\frac{5}{6} \div \left(6 \div 12 \div \frac{1}{3}\right)$

2. $\frac{11}{6} \div 1^{9 \times \frac{4}{3}}$

7. $2^4 \div \frac{9^1}{5}$

12. $\frac{4}{5} + 1 - \frac{1}{4} \div \frac{7}{4}$

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

8. $\frac{2}{5} + \frac{5}{6} \times \frac{11}{5} \div 1$

13. $\frac{3^{2^2 \div 2}}{2}$

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

9. $\frac{1^2}{3} \div (2 - 1)$

14. $1 + 8 - 2 \div \frac{5}{2}$

5. $\left(\frac{1^1}{2}\right)^{2^2}$

10. $(10 - 10) \times 10 \div 2$

15. $4 \times 1 - \left(\frac{11}{5} - \frac{1}{3}\right)$

Order of Operations (G) Answers

Perform the operations in the correct order.

$$1. \frac{5^2}{3} - \left(\frac{4}{3} - \frac{4}{3}\right) \\ = \frac{25}{9}$$

$$6. (3 - 3) \times (11 + 2) \\ = 0$$

$$11. \frac{5}{6} \div \left(6 \div 12 \div \frac{1}{3}\right) \\ = \frac{5}{9}$$

$$2. \frac{11}{6} \div 1^{9 \times \frac{4}{3}} \\ = \frac{11}{6}$$

$$7. 2^4 \div \frac{9^1}{5} \\ = \frac{80}{9}$$

$$12. \frac{4}{5} + 1 - \frac{1}{4} \div \frac{7}{4} \\ = \frac{58}{35}$$

$$3. \left(\frac{3}{2} - \frac{1}{3}\right) \div 2^2 \\ = \frac{7}{24}$$

$$8. \frac{2}{5} + \frac{5}{6} \times \frac{11}{5} \div 1 \\ = \frac{67}{30}$$

$$13. \frac{3^{2^2 \div 2}}{2} \\ = \frac{9}{4}$$

$$4. \left(\frac{4}{5} - \frac{2}{3} \times \frac{1}{2}\right) \times \frac{9}{5} \\ = \frac{21}{25}$$

$$9. \frac{1^2}{3} \div (2 - 1) \\ = \frac{1}{9}$$

$$14. 1 + 8 - 2 \div \frac{5}{2} \\ = \frac{41}{5}$$

$$5. \left(\frac{1^1}{2}\right)^{2^2} \\ = \frac{1}{16}$$

$$10. (10 - 10) \times 10 \div 2 \\ = 0$$

$$15. 4 \times 1 - \left(\frac{11}{5} - \frac{1}{3}\right) \\ = \frac{32}{15}$$

Order of Operations (H)

Perform the operations in the correct order.

1. $(\frac{4}{3} \times 1 + \frac{1}{2}) \times 2$

6. $1 \div (6 \times (1 + \frac{2}{3}))$

11. $10 \times \frac{3}{4} \div 4 \times \frac{7}{3}$

2. $(9 - \frac{3}{2}) \div (\frac{7}{2} + \frac{9}{4})$

7. $(\frac{1}{2} + \frac{11}{3} \div 10)^1$

12. $\frac{1}{3}^{2 \div \frac{1}{2} - 1}$

3. $4 - \frac{12}{5} \div (\frac{1}{3} + \frac{8}{5})$

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

13. $2^{\frac{2}{5} \div \frac{2}{5} + 4}$

4. $(4 - \frac{5}{2}) \div \frac{9}{5} + \frac{7}{6}$

9. $9 + 9 - \frac{5^2}{2}$

14. $3 - \frac{9}{4} - \frac{7}{3} \div 7$

5. $2 - 2 \div (\frac{1}{2} + \frac{5}{3})$

10. $\frac{4^2}{3} + \frac{4}{3} \div \frac{2}{3}$

15. $\frac{7^2}{3} - (\frac{4}{3} - \frac{1}{3})$

Order of Operations (H) Answers

Perform the operations in the correct order.

$$1. \left(\frac{4}{3} \times 1 + \frac{1}{2}\right) \times 2 \\ = \frac{11}{3}$$

$$6. 1 \div \left(6 \times \left(1 + \frac{2}{3}\right)\right) \\ = \frac{1}{10}$$

$$11. 10 \times \frac{3}{4} \div 4 \times \frac{7}{3} \\ = \frac{35}{8}$$

$$2. \left(9 - \frac{3}{2}\right) \div \left(\frac{7}{2} + \frac{9}{4}\right) \\ = \frac{30}{23}$$

$$7. \left(\frac{1}{2} + \frac{11}{3} \div 10\right)^1 \\ = \frac{13}{15}$$

$$12. \frac{1}{3}^{2 \div \frac{1}{2} - 1} \\ = \frac{1}{27}$$

$$3. 4 - \frac{12}{5} \div \left(\frac{1}{3} + \frac{8}{5}\right) \\ = \frac{80}{29}$$

$$8. 4 \div \left(5 \times \frac{2}{3} - 1\right) \\ = \frac{12}{7}$$

$$13. 2^{\frac{2}{5} \div \frac{2}{5} + 4} \\ = 32$$

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

$$9. 9 + 9 - \frac{5^2}{2} \\ = \frac{47}{4}$$

$$14. 3 - \frac{9}{4} - \frac{7}{3} \div 7 \\ = \frac{5}{12}$$

$$5. 2 - 2 \div \left(\frac{1}{2} + \frac{5}{3}\right) \\ = \frac{14}{13}$$

$$10. \frac{4^2}{3} + \frac{4}{3} \div \frac{2}{3} \\ = \frac{34}{9}$$

$$15. \frac{7^2}{3} - \left(\frac{4}{3} - \frac{1}{3}\right) \\ = \frac{40}{9}$$

Order of Operations (I)

Perform the operations in the correct order.

1. $(3^{4 \div 1})^1$

6. $(2^{3-1})^2$

11. $(1 + 3^3) \div \frac{1}{2}$

2. $\left(\frac{3^2}{4} + \frac{1}{2}\right) \div 2$

7. $\frac{1}{3} + 2 + \frac{12}{5} \div 1$

12. $5 - \left(\frac{1^3}{2} + 3\right)$

3. $2 + 2^5 - 1$

8. $\frac{5}{2} - \left(\frac{5}{4} - \frac{5}{4}\right) \div \frac{2}{5}$

13. $\left(1 + \frac{11}{2}\right) \times 4^1$

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

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

14. $7 \div \left(3 + 4 - \frac{2}{5}\right)$

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

10. $4 \times 1 + 10 - 4$

15. $3 + \frac{5}{3} + 2 - 2$

Order of Operations (I) Answers

Perform the operations in the correct order.

$$1. (3^{4 \div 1})^1 \\ = 81$$

$$6. (2^{3-1})^2 \\ = 16$$

$$11. (1 + 3^3) \div \frac{1}{2} \\ = 56$$

$$2. \left(\frac{3^2}{4} + \frac{1}{2}\right) \div 2 \\ = \frac{17}{32}$$

$$7. \frac{1}{3} + 2 + \frac{12}{5} \div 1 \\ = \frac{71}{15}$$

$$12. 5 - \left(\frac{1^3}{2} + 3\right) \\ = \frac{15}{8}$$

$$3. 2 + 2^5 - 1 \\ = 33$$

$$8. \frac{5}{2} - \left(\frac{5}{4} - \frac{5}{4}\right) \div \frac{2}{5} \\ = \frac{5}{2}$$

$$13. \left(1 + \frac{11}{2}\right) \times 4^1 \\ = 26$$

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

$$9. \left(2 - \frac{4}{3}\right)^{\frac{5}{3} + \frac{4}{3}} \\ = \frac{8}{27}$$

$$14. 7 \div \left(3 + 4 - \frac{2}{5}\right) \\ = \frac{35}{33}$$

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

$$10. 4 \times 1 + 10 - 4 \\ = 10$$

$$15. 3 + \frac{5}{3} + 2 - 2 \\ = \frac{14}{3}$$

Order of Operations (J)

Perform the operations in the correct order.

1. $\frac{7}{2} \times \frac{5}{2} - \frac{9}{4} - 3$

6. $1 \div (4 - \frac{7}{6} \div 7)$

11. $12 - 9 - \frac{2}{3} \div \frac{5}{6}$

2. $\left(\left(\frac{4}{3} + \frac{2}{3}\right)^2\right)^3$

7. $\frac{3}{5} \times 1 \times \frac{11}{6} \times \frac{1}{2}$

12. $\left(\frac{11}{3} + 1 \times \frac{3}{2}\right) \div \frac{5}{2}$

3. $\frac{6}{5} \div \frac{9}{2} \times 4 - \frac{1}{3}$

8. $6^2 - \frac{9}{2} \div \frac{1}{5}$

13. $3 \times \frac{12}{5} - 2 \times \frac{4}{5}$

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

9. $\frac{7}{2} \div 3 + 1 + 1$

14. $5 \times 4 \div \left(\frac{3}{2} \times 2\right)$

5. $\frac{1}{3} \div 2^{2+1}$

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

15. $\left(4 \div 1 \times \frac{1}{3}\right)^2$

Order of Operations (J) Answers

Perform the operations in the correct order.

$$1. \frac{7}{2} \times \frac{5}{2} - \frac{9}{4} - 3 \\ = \frac{7}{2}$$

$$6. 1 \div \left(4 - \frac{7}{6} \div 7\right) \\ = \frac{6}{23}$$

$$11. 12 - 9 - \frac{2}{3} \div \frac{5}{6} \\ = \frac{11}{5}$$

$$2. \left(\left(\frac{4}{3} + \frac{2}{3}\right)^2\right)^3 \\ = 64$$

$$7. \frac{3}{5} \times 1 \times \frac{11}{6} \times \frac{1}{2} \\ = \frac{11}{20}$$

$$12. \left(\frac{11}{3} + 1 \times \frac{3}{2}\right) \div \frac{5}{2} \\ = \frac{31}{15}$$

$$3. \frac{6}{5} \div \frac{9}{2} \times 4 - \frac{1}{3} \\ = \frac{11}{15}$$

$$8. 6^2 - \frac{9}{2} \div \frac{1}{5} \\ = \frac{27}{2}$$

$$13. 3 \times \frac{12}{5} - 2 \times \frac{4}{5} \\ = \frac{28}{5}$$

$$4. \left(\frac{3}{2} - 1\right) \times \frac{5}{3} \times 4 \\ = \frac{10}{3}$$

$$9. \frac{7}{2} \div 3 + 1 + 1 \\ = \frac{19}{6}$$

$$14. 5 \times 4 \div \left(\frac{3}{2} \times 2\right) \\ = \frac{20}{3}$$

$$5. \frac{1}{3} \div 2^{2+1} \\ = \frac{1}{24}$$

$$10. \left(1 \div \frac{3}{4}\right)^2 - \frac{3}{2} \\ = \frac{5}{18}$$

$$15. \left(4 \div 1 \times \frac{1}{3}\right)^2 \\ = \frac{16}{9}$$