

## Orden de Operaciones (A)

Realice las operaciones en el orden correcto.

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

6.  $-6 + \frac{2}{3} \times (-\frac{1}{6}) - (\frac{2}{3} + \frac{2}{9}) \div (-\frac{2}{3})$

2.  $(-\frac{3}{8} - \frac{5}{6} \times \frac{11}{2} \div (-\frac{1}{2} - \frac{4}{3})) \times (-2)$

7.  $(1 - \frac{1}{3}) \times (\frac{3}{2} - (-\frac{1}{6}) \times (-\frac{9}{11}) \div (-\frac{1}{3}))$

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

8.  $(-\frac{2}{3} + \frac{10}{3} \times (-\frac{1}{4})) \div (-\frac{7}{3} - (\frac{2}{9} + (-1)))$

4.  $\frac{2}{7} \div (-\frac{8}{7}) \div (-\frac{1}{11} - (\frac{9}{2} - \frac{4}{11} \times \frac{1}{4}))$

9.  $(-\frac{9}{10}) \times (-\frac{11}{2} - (-\frac{1}{2})) \div (\frac{1}{6} \times (\frac{7}{2} - (-\frac{1}{4})))$

5.  $-1 + (\frac{10}{3} - (-\frac{1}{3})) \times (-\frac{10}{11}) + (-\frac{2}{3}) - (-\frac{8}{9})$

10.  $(-\frac{6}{5} + \frac{5}{3} + (-5 + \frac{1}{5}) \times (-\frac{11}{4})) \times (-\frac{1}{2})$

## Orden de Operaciones (A) Respuestas

Realice las operaciones en el orden correcto.

$$1. (-3 + \frac{8}{5}) \times \frac{8}{3} \times \frac{9}{8} \div (\frac{9}{8} - \frac{3}{4}) \\ = -\frac{56}{5} = -11\frac{1}{5}$$

$$6. -6 + \frac{2}{3} \times (-\frac{1}{6}) - (\frac{2}{3} + \frac{2}{9}) \div (-\frac{2}{3}) \\ = -\frac{43}{9} = -4\frac{7}{9}$$

$$2. (-\frac{3}{8} - \frac{5}{6} \times \frac{11}{2} \div (-\frac{1}{2} - \frac{4}{3})) \times (-2) \\ = -\frac{17}{4} = -4\frac{1}{4}$$

$$7. (1 - \frac{1}{3}) \times (\frac{3}{2} - (-\frac{1}{6}) \times (-\frac{9}{11}) \div (-\frac{1}{3})) \\ = \frac{14}{11} = 1\frac{3}{11}$$

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

$$8. (-\frac{2}{3} + \frac{10}{3} \times (-\frac{1}{4})) \div (-\frac{7}{3} - (\frac{2}{9} + (-1))) \\ = \frac{27}{28}$$

$$4. \frac{2}{7} \div (-\frac{8}{7}) \div (-\frac{1}{11} - (\frac{9}{2} - \frac{4}{11} \times \frac{1}{4})) \\ = \frac{1}{18}$$

$$9. (-\frac{9}{10}) \times (-\frac{11}{2} - (-\frac{1}{2})) \div (\frac{1}{6} \times (\frac{7}{2} - (-\frac{1}{4}))) \\ = \frac{36}{5} = 7\frac{1}{5}$$

$$5. -1 + (\frac{10}{3} - (-\frac{1}{3})) \times (-\frac{10}{11}) + (-\frac{2}{3}) - (-\frac{8}{9}) \\ = -\frac{37}{9} = -4\frac{1}{9}$$

$$10. (-\frac{6}{5} + \frac{5}{3} + (-5 + \frac{1}{5}) \times (-\frac{11}{4})) \times (-\frac{1}{2}) \\ = -\frac{41}{6} = -6\frac{5}{6}$$

## Orden de Operaciones (B)

Realice las operaciones en el orden correcto.

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

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

2.  $\frac{5}{3} \div (-\frac{7}{11} - (-\frac{5}{11})) \times (\frac{7}{6} \div \frac{5}{3} - (-\frac{5}{2}))$

7.  $\frac{9}{5} \times (-\frac{1}{2}) \div (-\frac{6}{5}) \div ((-\frac{1}{7}) \div (-\frac{1}{3} + (-\frac{5}{7})))$

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

8.  $(-\frac{5}{11})^1 \div ((-\frac{5}{3}) \div ((-\frac{11}{4}) \div (-\frac{3}{2} - (-\frac{1}{2}))))$

4.  $-\frac{3}{5} - (-\frac{9}{10} - \frac{1}{6} - (-1 + \frac{3}{2} - \frac{1}{10}))$

9.  $(-\frac{4}{3}) \times 2 - ((-\frac{8}{5}) \div \frac{3}{5} - (-\frac{3}{4}) \times (-\frac{7}{9}))$

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

10.  $(\frac{11}{5} + (-\frac{11}{4})) \times (-\frac{4}{3} - (-\frac{1}{3})) \div (\frac{5}{6} + 1)$

## Orden de Operaciones (B) Respuestas

Realice las operaciones en el orden correcto.

$$1. -\frac{1}{2} - (-1 + \frac{1}{2}) \times \frac{4}{9} \div (-\frac{2}{3}) \div \frac{11}{3}$$
$$= -\frac{13}{22}$$

$$6. (-\frac{9}{2} + 1 - (-\frac{1}{2} - (-\frac{1}{3})) \div (-\frac{1}{5})) \div \frac{5}{2}$$
$$= -\frac{26}{15} = -1\frac{11}{15}$$

$$2. \frac{5}{3} \div (-\frac{7}{11} - (-\frac{5}{11})) \times (\frac{7}{6} \div \frac{5}{3} - (-\frac{5}{2}))$$
$$= -\frac{88}{3} = -29\frac{1}{3}$$

$$7. \frac{9}{5} \times (-\frac{1}{2}) \div (-\frac{6}{5}) \div ((-\frac{1}{7}) \div (-\frac{1}{3} + (-\frac{5}{7})))$$
$$= \frac{11}{2} = 5\frac{1}{2}$$

$$3. \frac{11}{5} + (-\frac{3}{4}) \div (-\frac{2}{3} - (-\frac{1}{6})) - (\frac{2}{3} - (-1))$$
$$= \frac{61}{30} = 2\frac{1}{30}$$

$$8. (-\frac{5}{11})^1 \div ((-\frac{5}{3}) \div ((-\frac{11}{4}) \div (-\frac{3}{2} - (-\frac{1}{2}))))$$
$$= \frac{3}{4}$$

$$4. -\frac{3}{5} - (-\frac{9}{10} - \frac{1}{6} - (-1 + \frac{3}{2} - \frac{1}{10}))$$
$$= \frac{13}{15}$$

$$9. (-\frac{4}{3}) \times 2 - ((-\frac{8}{5}) \div \frac{3}{5} - (-\frac{3}{4}) \times (-\frac{7}{9}))$$
$$= \frac{7}{12}$$

$$5. (-\frac{1}{5}) \div ((-\frac{1}{2}) \div ((-\frac{9}{7}) \div (-9) - \frac{4}{3} \times \frac{3}{4}))$$
$$= -\frac{12}{35}$$

$$10. (\frac{11}{5} + (-\frac{11}{4})) \times (-\frac{4}{3} - (-\frac{1}{3})) \div (\frac{5}{6} + 1)$$
$$= \frac{3}{10}$$

## Orden de Operaciones (C)

Realice las operaciones en el orden correcto.

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

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

2.  $\frac{4}{3} \times (\frac{3}{2} - (-2)) \times \frac{3}{2} + (-\frac{1}{2}) + \frac{5}{12}$

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

3.  $\frac{9}{7} + (-\frac{1}{4}) + 1 + \frac{7}{4} - (-\frac{12}{7}) \times \frac{1}{4}$

8.  $-\frac{11}{12} + \frac{5}{6} \div (-\frac{2}{7}) - \frac{4}{3} \div (\frac{2}{5} \times \frac{1}{3})$

4.  $\frac{1}{2} \div \frac{1}{5} + (-\frac{8}{5}) - 3 - (\frac{1}{6} - \frac{4}{5})$

9.  $-\frac{5}{8} + (-\frac{5}{3}) - \frac{3}{5} - (-\frac{3}{2} + \frac{11}{6} - (-\frac{2}{5}))$

5.  $(-\frac{6}{11}) \times (-\frac{1}{3} - (-\frac{1}{3})) \times \frac{7}{5} - (\frac{9}{4} - (-\frac{9}{5}))$

10.  $-\frac{1}{10} - (-\frac{8}{5}) - (-\frac{8}{9}) + (-\frac{11}{6}) \div (-\frac{1}{2} - (-\frac{3}{4}))$

## Orden de Operaciones (C) Respuestas

Realice las operaciones en el orden correcto.

$$1. -\frac{1}{4} - \left(\frac{7}{3} + \frac{4}{3} - \frac{1}{2} + \left(-\frac{5}{2}\right)\right) - (-2)$$
$$= \frac{13}{12} = 1\frac{1}{12}$$

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

$$2. \frac{4}{3} \times \left(\frac{3}{2} - (-2)\right) \times \frac{3}{2} + \left(-\frac{1}{2}\right) + \frac{5}{12}$$
$$= \frac{83}{12} = 6\frac{11}{12}$$

$$7. \frac{10}{7} + \left(\frac{1}{2} \times \left(2 + \left(-\frac{5}{2}\right)\right) + \left(-\frac{1}{2}\right)\right) \div \frac{3}{5}$$
$$= \frac{5}{28}$$

$$3. \frac{9}{7} + \left(-\frac{1}{4}\right) + 1 + \frac{7}{4} - \left(-\frac{12}{7}\right) \times \frac{1}{4}$$
$$= \frac{59}{14} = 4\frac{3}{14}$$

$$8. -\frac{11}{12} + \frac{5}{6} \div \left(-\frac{2}{7}\right) - \frac{4}{3} \div \left(\frac{2}{5} \times \frac{1}{3}\right)$$
$$= -\frac{83}{6} = -13\frac{5}{6}$$

$$4. \frac{1}{2} \div \frac{1}{5} + \left(-\frac{8}{5}\right) - 3 - \left(\frac{1}{6} - \frac{4}{5}\right)$$
$$= -\frac{22}{15} = -1\frac{7}{15}$$

$$9. -\frac{5}{8} + \left(-\frac{5}{3}\right) - \frac{3}{5} - \left(-\frac{3}{2} + \frac{11}{6} - \left(-\frac{2}{5}\right)\right)$$
$$= -\frac{29}{8} = -3\frac{5}{8}$$

$$5. \left(-\frac{6}{11}\right) \times \left(-\frac{1}{3} - \left(-\frac{1}{3}\right)\right) \times \frac{7}{5} - \left(\frac{9}{4} - \left(-\frac{9}{5}\right)\right)$$
$$= -\frac{81}{20} = -4\frac{1}{20}$$

$$10. -\frac{1}{10} - \left(-\frac{8}{5}\right) - \left(-\frac{8}{9}\right) + \left(-\frac{11}{6}\right) \div \left(-\frac{1}{2} - \left(-\frac{3}{4}\right)\right)$$
$$= -\frac{89}{18} = -4\frac{17}{18}$$

## Orden de Operaciones (D)

Realice las operaciones en el orden correcto.

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

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

2.  $\frac{1}{2} \div \left( -\frac{1}{3} \right) - \left( -\frac{1}{12} \right)^1 \div \frac{1}{6} - \left( -\frac{1}{3} \right)$

7.  $\left( -\frac{3}{2} \right) \times 6 \div \left( \frac{1}{2} - \left( -\frac{10}{11} \right) \times \left( -\frac{3}{4} \right) \right) \times \frac{2}{3}$

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

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

4.  $1 \times \left( \frac{5}{4} \div \left( -\frac{5}{8} \right) - \frac{11}{3} \right) - \frac{11}{6} \times \frac{8}{3}$

9.  $4 \times \frac{4}{3} - \left( \left( -\frac{11}{3} \right) \times \left( -\frac{7}{3} \right) - \left( -\frac{4}{9} - \frac{8}{9} \right) \right)$

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

10.  $\frac{7}{3} \times \left( -\frac{9}{7} \right) \div \left( -\frac{6}{7} \right) - \left( -\frac{11}{6} \right) \times \left( -\frac{3}{4} \right) \div \frac{5}{6}$

## Orden de Operaciones (D) Respuestas

Realice las operaciones en el orden correcto.

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

$$6. \left( \frac{5}{2} - \left( -\frac{7}{4} \right) \right) \times 2 - \left( -\frac{7}{12} \right) \div \left( \frac{5}{6} \div \left( -\frac{6}{7} \right) \right) \\ = \frac{79}{10} = 7\frac{9}{10}$$

$$2. \frac{1}{2} \div \left( -\frac{1}{3} \right) - \left( -\frac{1}{12} \right)^1 \div \frac{1}{6} - \left( -\frac{1}{3} \right) \\ = -\frac{2}{3}$$

$$7. \left( -\frac{3}{2} \right) \times 6 \div \left( \frac{1}{2} - \left( -\frac{10}{11} \right) \times \left( -\frac{3}{4} \right) \right) \times \frac{2}{3} \\ = 33$$

$$3. \frac{7}{3} \div \left( -\frac{1}{2} - \left( -\frac{3}{2} \right) \div \frac{7}{9} \right) + 1 \times \left( -\frac{1}{2} \right) \\ = \frac{17}{15} = 1\frac{2}{15}$$

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

$$4. 1 \times \left( \frac{5}{4} \div \left( -\frac{5}{8} \right) - \frac{11}{3} \right) - \frac{11}{6} \times \frac{8}{3} \\ = -\frac{95}{9} = -10\frac{5}{9}$$

$$9. 4 \times \frac{4}{3} - \left( \left( -\frac{11}{3} \right) \times \left( -\frac{7}{3} \right) - \left( -\frac{4}{9} - \frac{8}{9} \right) \right) \\ = -\frac{41}{9} = -4\frac{5}{9}$$

$$5. \left( -\frac{3}{2} \right) \div \left( \left( -\frac{3}{2} \right) \div \frac{1}{4} \right) - \frac{3}{2} - 1 \times \left( -\frac{8}{5} \right) \\ = \frac{7}{20}$$

$$10. \frac{7}{3} \times \left( -\frac{9}{7} \right) \div \left( -\frac{6}{7} \right) - \left( -\frac{11}{6} \right) \times \left( -\frac{3}{4} \right) \div \frac{5}{6} \\ = \frac{37}{20} = 1\frac{17}{20}$$



## Orden de Operaciones (E)

Realice las operaciones en el orden correcto.

1.  $(-\frac{11}{6}) \times (-\frac{1}{5}) \div (-\frac{2}{3}) + \frac{8}{3} \div \frac{10}{11} \times (-\frac{7}{11})$

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

2.  $(-\frac{1}{2} + (-\frac{3}{4}) \div (\frac{1}{2} - (-\frac{2}{3}))) \times (-4 + \frac{10}{3})$

7.  $\frac{1}{5} \div \frac{1}{4} \times (\frac{11}{4} + (3 + \frac{1}{10}) \div (-\frac{4}{5}))$

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

8.  $(-\frac{1}{6} - (\frac{1}{2} + \frac{11}{10})) \div (\frac{7}{6} \times \frac{3}{5}) - (-\frac{5}{3})$

4.  $(-\frac{1}{2} - (-\frac{1}{2})) \times (\frac{2}{11} \div \frac{4}{5} + (-3)) + (-\frac{5}{9})$

9.  $-6 + (-\frac{7}{12} + (-\frac{12}{5}) - \frac{11}{10} - (-\frac{3}{4})) \div \frac{1}{5}$

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

10.  $(-\frac{7}{2}) \div (-\frac{9}{10}) - (\frac{1}{6} + (-\frac{1}{6}) + (-\frac{5}{6})) \times (-\frac{4}{3})$

## Orden de Operaciones (E) Respuestas

Realice las operaciones en el orden correcto.

$$1. \left(-\frac{11}{6}\right) \times \left(-\frac{1}{5}\right) \div \left(-\frac{2}{3}\right) + \frac{8}{3} \div \frac{10}{11} \times \left(-\frac{7}{11}\right) \\ = -\frac{29}{12} = -2\frac{5}{12}$$

$$6. \left(-\frac{2}{5}\right) \div \left(\left(-\frac{3}{4}\right) \times \left(-\frac{8}{9}\right) + 4\right) \times \left(-\frac{1}{2} - \left(-\frac{9}{4}\right)\right) \\ = -\frac{3}{20}$$

$$2. \left(-\frac{1}{2} + \left(-\frac{3}{4}\right) \div \left(\frac{1}{2} - \left(-\frac{2}{3}\right)\right)\right) \times \left(-4 + \frac{10}{3}\right) \\ = \frac{16}{21}$$

$$7. \frac{1}{5} \div \frac{1}{4} \times \left(\frac{11}{4} + \left(3 + \frac{1}{10}\right) \div \left(-\frac{4}{5}\right)\right) \\ = -\frac{9}{10}$$

$$3. \left(\frac{3}{4} + \left(-\frac{5}{6}\right) + \frac{1}{2}\right) \times \left(\frac{3}{4} - \frac{1}{4}\right) \div \frac{1}{9} \\ = \frac{15}{8} = 1\frac{7}{8}$$

$$8. \left(-\frac{1}{6} - \left(\frac{1}{2} + \frac{11}{10}\right)\right) \div \left(\frac{7}{6} \times \frac{3}{5}\right) - \left(-\frac{5}{3}\right) \\ = -\frac{6}{7}$$

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

$$9. -6 + \left(-\frac{7}{12} + \left(-\frac{12}{5}\right) - \frac{11}{10} - \left(-\frac{3}{4}\right)\right) \div \frac{1}{5} \\ = -\frac{68}{3} = -22\frac{2}{3}$$

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

$$10. \left(-\frac{7}{2}\right) \div \left(-\frac{9}{10}\right) - \left(\frac{1}{6} + \left(-\frac{1}{6}\right) + \left(-\frac{5}{6}\right)\right) \times \left(-\frac{4}{3}\right) \\ = \frac{25}{9} = 2\frac{7}{9}$$

## Orden de Operaciones (F)

Realice las operaciones en el orden correcto.

1.  $(1 - (-\frac{11}{4})) \times ((-\frac{7}{5}) \div (-\frac{3}{4}) - (-\frac{2}{3})) \times \frac{6}{7}$

6.  $(-\frac{1}{10}) \times (1 - (-\frac{1}{12}) + (-\frac{2}{3})) \times (-\frac{5}{4} - \frac{3}{4})$

2.  $-\frac{7}{2} - (\frac{7}{2} \times \frac{1}{12} + (-\frac{3}{2})) \times (-\frac{1}{4}) \times (-6)$

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

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

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

4.  $(-\frac{8}{9}) \times (2 + (-\frac{5}{12}) \div (-\frac{1}{4})) \div (\frac{11}{4} - \frac{11}{12})$

9.  $(-\frac{4}{9}) \times (-\frac{12}{7}) \div \frac{11}{7} - (-\frac{1}{2} - (-\frac{5}{6})) \times (-1)$

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

10.  $-\frac{1}{4} + (-\frac{3}{5}) \div \frac{4}{9} \times 1 - (-\frac{3}{5}) \times (-\frac{11}{4})$

## Orden de Operaciones (F) Respuestas

Realice las operaciones en el orden correcto.

$$1. (1 - (-\frac{11}{4})) \times ((-\frac{7}{5}) \div (-\frac{3}{4}) - (-\frac{2}{3})) \times \frac{6}{7} \\ = \frac{57}{7} = 8\frac{1}{7}$$

$$6. (-\frac{1}{10}) \times (1 - (-\frac{1}{12}) + (-\frac{2}{3})) \times (-\frac{5}{4} - \frac{3}{4}) \\ = \frac{1}{12}$$

$$2. -\frac{7}{2} - (\frac{7}{2} \times \frac{1}{12} + (-\frac{3}{2})) \times (-\frac{1}{4}) \times (-6) \\ = -\frac{27}{16} = -1\frac{11}{16}$$

$$7. \frac{4}{11} \times (-\frac{11}{3}) \div ((-\frac{5}{4} - \frac{4}{3} \div (-\frac{2}{3})) \div 2) \\ = -\frac{32}{9} = -3\frac{5}{9}$$

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

$$8. (\frac{5}{6} + (-\frac{4}{3})) \times (6 + (-\frac{6}{5})) \div (-\frac{7}{4}) \div \frac{1}{2} \\ = \frac{96}{35} = 2\frac{26}{35}$$

$$4. (-\frac{8}{9}) \times (2 + (-\frac{5}{12}) \div (-\frac{1}{4})) \div (\frac{11}{4} - \frac{11}{12}) \\ = -\frac{16}{9} = -1\frac{7}{9}$$

$$9. (-\frac{4}{9}) \times (-\frac{12}{7}) \div \frac{11}{7} - (-\frac{1}{2} - (-\frac{5}{6})) \times (-1) \\ = \frac{9}{11}$$

$$5. (-12) \div ((-\frac{5}{4} - (-\frac{11}{12})) \times \frac{3}{2}) \times \frac{3}{2} \div (-\frac{2}{5}) \\ = -90$$

$$10. -\frac{1}{4} + (-\frac{3}{5}) \div \frac{4}{9} \times 1 - (-\frac{3}{5}) \times (-\frac{11}{4}) \\ = -\frac{13}{4} = -3\frac{1}{4}$$

## Orden de Operaciones (G)

Realice las operaciones en el orden correcto.

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

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

2.  $(\frac{3}{4} + (-\frac{1}{4}) \times (-11)) \div ((-\frac{5}{4}) \times (-\frac{8}{9}) \div \frac{2}{3})$

7.  $\frac{12}{11} \div (-\frac{6}{11}) \times (-\frac{11}{5} - (\frac{1}{5} \div \frac{1}{11} - 1))$

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

8.  $6 \times \frac{6}{5} \times (-\frac{1}{6}) \times \frac{3}{5} \times \frac{5}{2} \div (-\frac{3}{5})$

4.  $(-\frac{11}{2}) \times (\frac{7}{4} + \frac{1}{2} - 3) - (-\frac{11}{4}) \div \frac{2}{9}$

9.  $\frac{1}{3} \div ((-\frac{2}{3} - \frac{11}{12} - (-\frac{11}{12} - (-4))) \times \frac{1}{7})$

5.  $\frac{5}{8} + (-\frac{1}{6}) - ((-\frac{5}{4}) \times (-\frac{4}{5}) + \frac{5}{8} + (-4))$

10.  $(-\frac{4}{3}) \times (-\frac{11}{10}) \div \frac{12}{5} + (-\frac{5}{6}) \times (-\frac{3}{10}) \times (-\frac{11}{3})$

## Orden de Operaciones (G) Respuestas

Realice las operaciones en el orden correcto.

$$1. \left(\frac{11}{6} - \left(-\frac{1}{2}\right) + \frac{7}{6}\right) \div (-11) \div \left(-\frac{2}{3} + \frac{5}{9}\right) \\ = \frac{63}{22} = 2\frac{19}{22}$$

$$6. \left(\left(-\frac{1}{2}\right) \times (-4) \times \frac{5}{9} + \frac{2}{3}\right) \times \left(-\frac{5}{3} + \frac{1}{2}\right) \\ = -\frac{56}{27} = -2\frac{2}{27}$$

$$2. \left(\frac{3}{4} + \left(-\frac{1}{4}\right) \times (-11)\right) \div \left(\left(-\frac{5}{4}\right) \times \left(-\frac{8}{9}\right) \div \frac{2}{3}\right) \\ = \frac{21}{10} = 2\frac{1}{10}$$

$$7. \frac{12}{11} \div \left(-\frac{6}{11}\right) \times \left(-\frac{11}{5} - \left(\frac{1}{5} \div \frac{1}{11} - 1\right)\right) \\ = \frac{34}{5} = 6\frac{4}{5}$$

$$3. \left(6 + \left(-\frac{4}{3}\right) + \left(-\frac{3}{2}\right) - \frac{1}{2}\right) \div \left(\left(-\frac{4}{3}\right) \div \frac{4}{3}\right) \\ = -\frac{8}{3} = -2\frac{2}{3}$$

$$8. 6 \times \frac{6}{5} \times \left(-\frac{1}{6}\right) \times \frac{3}{5} \times \frac{5}{2} \div \left(-\frac{3}{5}\right) \\ = 3$$

$$4. \left(-\frac{11}{2}\right) \times \left(\frac{7}{4} + \frac{1}{2} - 3\right) - \left(-\frac{11}{4}\right) \div \frac{2}{9} \\ = \frac{33}{2} = 16\frac{1}{2}$$

$$9. \frac{1}{3} \div \left(\left(-\frac{2}{3} - \frac{11}{12} - \left(-\frac{11}{12} - (-4)\right)\right) \times \frac{1}{7}\right) \\ = -\frac{1}{2}$$

$$5. \frac{5}{8} + \left(-\frac{1}{6}\right) - \left(\left(-\frac{5}{4}\right) \times \left(-\frac{4}{5}\right) + \frac{5}{8} + (-4)\right) \\ = \frac{17}{6} = 2\frac{5}{6}$$

$$10. \left(-\frac{4}{3}\right) \times \left(-\frac{11}{10}\right) \div \frac{12}{5} + \left(-\frac{5}{6}\right) \times \left(-\frac{3}{10}\right) \times \left(-\frac{11}{3}\right) \\ = -\frac{11}{36}$$

## Orden de Operaciones (H)

Realice las operaciones en el orden correcto.

1.  $(\frac{1}{2} + (-4)) \div (-\frac{1}{6} + (-\frac{2}{3})) + \frac{7}{10} \div (-\frac{7}{9})$

6.  $\frac{2}{3} + \frac{3}{8} - (-\frac{2}{3}) - 3 - (\frac{1}{2} + (-\frac{2}{3}))$

2.  $(-\frac{2}{3}) \times (-\frac{3}{4}) \div ((-\frac{1}{3}) \times (-\frac{3}{4}) \div ((-\frac{10}{9}) \times \frac{1}{2}))$

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

3.  $(\frac{4}{3} + \frac{1}{3} - (-5) + \frac{11}{2}) \div (\frac{1}{3} - \frac{1}{2})$

8.  $\frac{12}{7} - (-\frac{3}{2} - (-5)) - \frac{11}{7} \times \frac{3}{4} - \frac{1}{7}$

4.  $(-\frac{5}{2} + (-\frac{5}{7})) \times \frac{1}{8} \div \frac{2}{7} + \frac{11}{4} + (-\frac{1}{4})$

9.  $(-\frac{1}{3} - 5) \div (-\frac{1}{3}) \times \frac{12}{7} \times (-\frac{1}{6}) - (-\frac{9}{2})$

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

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

## Orden de Operaciones (H) Respuestas

Realice las operaciones en el orden correcto.

$$1. \left(\frac{1}{2} + (-4)\right) \div \left(-\frac{1}{6} + \left(-\frac{2}{3}\right)\right) + \frac{7}{10} \div \left(-\frac{7}{9}\right) \\ = \frac{33}{10} = 3\frac{3}{10}$$

$$6. \frac{2}{3} + \frac{3}{8} - \left(-\frac{2}{3}\right) - 3 - \left(\frac{1}{2} + \left(-\frac{2}{3}\right)\right) \\ = -\frac{9}{8} = -1\frac{1}{8}$$

$$2. \left(-\frac{2}{3}\right) \times \left(-\frac{3}{4}\right) \div \left(\left(-\frac{1}{3}\right) \times \left(-\frac{3}{4}\right) \div \left(\left(-\frac{10}{9}\right) \times \frac{1}{2}\right)\right) \\ = -\frac{10}{9} = -1\frac{1}{9}$$

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

$$3. \left(\frac{4}{3} + \frac{1}{3} - (-5) + \frac{11}{2}\right) \div \left(\frac{1}{3} - \frac{1}{2}\right) \\ = -73$$

$$8. \frac{12}{7} - \left(-\frac{3}{2} - (-5)\right) - \frac{11}{7} \times \frac{3}{4} - \frac{1}{7} \\ = -\frac{87}{28} = -3\frac{3}{28}$$

$$4. \left(-\frac{5}{2} + \left(-\frac{5}{7}\right)\right) \times \frac{1}{8} \div \frac{2}{7} + \frac{11}{4} + \left(-\frac{1}{4}\right) \\ = \frac{35}{32} = 1\frac{3}{32}$$

$$9. \left(-\frac{1}{3} - 5\right) \div \left(-\frac{1}{3}\right) \times \frac{12}{7} \times \left(-\frac{1}{6}\right) - \left(-\frac{9}{2}\right) \\ = -\frac{1}{14}$$

$$5. \frac{7}{6} \div \left(-\frac{2}{3} + \frac{3}{7}\right) \div \left(\frac{1}{5} \div \frac{6}{7}\right) \times \left(-\frac{3}{4}\right) \\ = \frac{63}{4} = 15\frac{3}{4}$$

$$10. \left(-\frac{2}{5}\right) \times \left(-\frac{1}{4}\right) + \frac{7}{2} + \frac{1}{2} - \left(-\frac{5}{6}\right) - \frac{1}{5} \\ = \frac{71}{15} = 4\frac{11}{15}$$



## Orden de Operaciones (I)

Realice las operaciones en el orden correcto.

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

6.  $\left(-\frac{11}{5}\right) \times \left(\frac{10}{11} + \frac{1}{2}\right) \div \left(\frac{1}{2} + \frac{3}{4} - \frac{1}{4}\right)$

2.  $\frac{7}{3} - \left(\frac{11}{2} + \frac{1}{2}\right) + \frac{3}{2} - 11 \div \left(-\frac{11}{8}\right)$

7.  $\frac{8}{3} \times \left(-\frac{5}{6} - \frac{7}{5} - \frac{1}{6} - \left(-\frac{7}{3}\right) + \frac{5}{12}\right)$

3.  $\left(-\frac{3}{4}\right) \div \left(-\frac{2}{3}\right) \times (-1) \times \left(-\frac{4}{9}\right) - \left(-\frac{7}{12} - \frac{7}{8}\right)$

8.  $\left(-\frac{8}{3}\right) \div \left(\frac{4}{5} - \frac{8}{3}\right) + 2 + \frac{3}{2} + \left(-\frac{11}{2}\right)$

4.  $\frac{1}{2} + \left(-\frac{4}{5} - \frac{3}{2} + \frac{3}{5} \div 6\right) \div \left(-\frac{12}{5}\right)$

9.  $\left(\frac{4}{3} + \left(-\frac{8}{3}\right) + 1 - \left(-\frac{7}{11}\right)\right) \div \left(-\frac{3}{11}\right) \times \left(-\frac{4}{5}\right)$

5.  $\frac{2}{5} \div \left(-\frac{1}{9}\right) - 1 - \left(-\frac{1}{4} - \left(\frac{8}{3} - \frac{7}{6}\right)\right)$

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

## Orden de Operaciones (I) Respuestas

Realice las operaciones en el orden correcto.

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

$$6. \left(-\frac{11}{5}\right) \times \left(\frac{10}{11} + \frac{1}{2}\right) \div \left(\frac{1}{2} + \frac{3}{4} - \frac{1}{4}\right) \\ = -\frac{31}{10} = -3\frac{1}{10}$$

$$2. \frac{7}{3} - \left(\frac{11}{2} + \frac{1}{2}\right) + \frac{3}{2} - 11 \div \left(-\frac{11}{8}\right) \\ = \frac{35}{6} = 5\frac{5}{6}$$

$$7. \frac{8}{3} \times \left(-\frac{5}{6} - \frac{7}{5} - \frac{1}{6} - \left(-\frac{7}{3}\right) + \frac{5}{12}\right) \\ = \frac{14}{15}$$

$$3. \left(-\frac{3}{4}\right) \div \left(-\frac{2}{3}\right) \times (-1) \times \left(-\frac{4}{9}\right) - \left(-\frac{7}{12} - \frac{7}{8}\right) \\ = \frac{47}{24} = 1\frac{23}{24}$$

$$8. \left(-\frac{8}{3}\right) \div \left(\frac{4}{5} - \frac{8}{3}\right) + 2 + \frac{3}{2} + \left(-\frac{11}{2}\right) \\ = -\frac{4}{7}$$

$$4. \frac{1}{2} + \left(-\frac{4}{5} - \frac{3}{2} + \frac{3}{5} \div 6\right) \div \left(-\frac{12}{5}\right) \\ = \frac{17}{12} = 1\frac{5}{12}$$

$$9. \left(\frac{4}{3} + \left(-\frac{8}{3}\right) + 1 - \left(-\frac{7}{11}\right)\right) \div \left(-\frac{3}{11}\right) \times \left(-\frac{4}{5}\right) \\ = \frac{8}{9}$$

$$5. \frac{2}{5} \div \left(-\frac{1}{9}\right) - 1 - \left(-\frac{1}{4} - \left(\frac{8}{3} - \frac{7}{6}\right)\right) \\ = -\frac{57}{20} = -2\frac{17}{20}$$

$$10. \frac{1}{3} \times \left(-\frac{1}{11}\right) + 2 - \left(\frac{4}{3} + \left(-\frac{5}{6}\right)\right) \div \frac{3}{5} \\ = \frac{25}{22} = 1\frac{3}{22}$$

## Orden de Operaciones (J)

Realice las operaciones en el orden correcto.

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

6.  $(-3) \div ((-\frac{1}{6}) \div (-\frac{3}{8})) \times \frac{7}{9} - \frac{11}{2} \times (-\frac{1}{6})$

2.  $\frac{1}{2} \times (\frac{8}{3} - \frac{11}{9} - (-\frac{1}{3} + (-4)) + (-\frac{4}{9}))$

7.  $\frac{8}{3} - \frac{11}{8} \times (-\frac{4}{3} + \frac{10}{11}) - (-1) \times (-\frac{2}{3})$

3.  $(-\frac{5}{8} - \frac{1}{6} \div (-1)) \times (-\frac{1}{3}) \div (-\frac{1}{9}) \div \frac{1}{7}$

8.  $(-\frac{11}{9} + (-\frac{2}{3})) \div ((-\frac{1}{4}) \div \frac{3}{2}) \div (-\frac{5}{6} - \frac{3}{10})$

4.  $(-4) \times (-\frac{3}{5}) \times \frac{3}{2} \div (-\frac{9}{8}) - \frac{6}{5} \times (-\frac{7}{9})$

9.  $\frac{7}{11} \div (-\frac{12}{11}) + (\frac{5}{6} + (-\frac{5}{2})) \times (\frac{11}{2} + (-1))$

5.  $(\frac{7}{9} + (-\frac{7}{9})) \div (-\frac{5}{7}) \times 12 \div (\frac{1}{3} \times (-\frac{7}{3}))$

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

## Orden de Operaciones (J) Respuestas

Realice las operaciones en el orden correcto.

$$1. -\frac{3}{4} - \left(\frac{1}{2} + \left(-\frac{3}{2}\right) - \left(-\frac{9}{8}\right)\right) \times \left(-\frac{8}{3}\right) \div \left(-\frac{3}{2}\right) \\ = -\frac{35}{36}$$

$$6. (-3) \div \left(\left(-\frac{1}{6}\right) \div \left(-\frac{3}{8}\right)\right) \times \frac{7}{9} - \frac{11}{2} \times \left(-\frac{1}{6}\right) \\ = -\frac{13}{3} = -4\frac{1}{3}$$

$$2. \frac{1}{2} \times \left(\frac{8}{3} - \frac{11}{9} - \left(-\frac{1}{3} + (-4)\right) + \left(-\frac{4}{9}\right)\right) \\ = \frac{8}{3} = 2\frac{2}{3}$$

$$7. \frac{8}{3} - \frac{11}{8} \times \left(-\frac{4}{3} + \frac{10}{11}\right) - (-1) \times \left(-\frac{2}{3}\right) \\ = \frac{31}{12} = 2\frac{7}{12}$$

$$3. \left(-\frac{5}{8} - \frac{1}{6} \div (-1)\right) \times \left(-\frac{1}{3}\right) \div \left(-\frac{1}{9}\right) \div \frac{1}{7} \\ = -\frac{77}{8} = -9\frac{5}{8}$$

$$8. \left(-\frac{11}{9} + \left(-\frac{2}{3}\right)\right) \div \left(\left(-\frac{1}{4}\right) \div \frac{3}{2}\right) \div \left(-\frac{5}{6} - \frac{3}{10}\right) \\ = -10$$

$$4. (-4) \times \left(-\frac{3}{5}\right) \times \frac{3}{2} \div \left(-\frac{9}{8}\right) - \frac{6}{5} \times \left(-\frac{7}{9}\right) \\ = -\frac{34}{15} = -2\frac{4}{15}$$

$$9. \frac{7}{11} \div \left(-\frac{12}{11}\right) + \left(\frac{5}{6} + \left(-\frac{5}{2}\right)\right) \times \left(\frac{11}{2} + (-1)\right) \\ = -\frac{97}{12} = -8\frac{1}{12}$$

$$5. \left(\frac{7}{9} + \left(-\frac{7}{9}\right)\right) \div \left(-\frac{5}{7}\right) \times 12 \div \left(\frac{1}{3} \times \left(-\frac{7}{3}\right)\right) \\ = 0$$

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