

# Order of Operations (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$(-6) \times 9 - (-9) + (-10) \div (8 + (-3))$$

$$10 + 6 \div ((-7) - (-5)) \times ((-10) + 5)$$

$$(7 + (-3) - 4) \div ((-7) \times (2 - (-6)))$$

$$(4 \times (-4)) \div (2 - (-10) + 9 + (-5))$$

$$7 \div ((-3) + 4) \times (-10) - (-8) + 10$$

$$(-2) + (-4) - 8 \times (2 \div ((-10) \div 10))$$

# Order of Operations (A) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-6) \times 9 - (-9) + (-10) \div (8 + (-3)) \\ & = \underline{(-6) \times 9} - (-9) + (-10) \div 5 \\ & = (-54) - (-9) + \underline{(-10) \div 5} \\ & = \underline{(-54) - (-9)} + (-2) \\ & = \underline{(-45) + (-2)} \\ & = -47 \end{aligned}$$

$$\begin{aligned} & 10 + 6 \div ((-7) - (-5)) \times ((-10) + 5) \\ & = 10 + 6 \div (-2) \times \underline{((-10) + 5)} \\ & = 10 + \underline{6 \div (-2)} \times (-5) \\ & = 10 + \underline{(-3) \times (-5)} \\ & = \underline{10 + 15} \\ & = 25 \end{aligned}$$

$$\begin{aligned} & (7 + (-3) - 4) \div ((-7) \times (2 - (-6))) \\ & = \underline{(4 - 4)} \div ((-7) \times (2 - (-6))) \\ & = 0 \div ((-7) \times \underline{(2 - (-6))}) \\ & = 0 \div \underline{((-7) \times 8)} \\ & = \underline{0 \div (-56)} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & (4 \times (-4)) \div (2 - (-10) + 9 + (-5)) \\ & = (-16) \div \underline{(2 - (-10) + 9 + (-5))} \\ & = (-16) \div \underline{(12 + 9 + (-5))} \\ & = (-16) \div \underline{(21 + (-5))} \\ & = \underline{(-16) \div 16} \\ & = -1 \end{aligned}$$

$$\begin{aligned} & 7 \div ((-3) + 4) \times (-10) - (-8) + 10 \\ & = \underline{7 \div 1} \times (-10) - (-8) + 10 \\ & = \underline{7 \times (-10)} - (-8) + 10 \\ & = \underline{(-70) - (-8)} + 10 \\ & = \underline{(-62) + 10} \\ & = -52 \end{aligned}$$

$$\begin{aligned} & (-2) + (-4) - 8 \times (2 \div ((-10) \div 10)) \\ & = (-2) + (-4) - 8 \times \underline{(2 \div (-1))} \\ & = (-2) + (-4) - \underline{8 \times (-2)} \\ & = \underline{(-2) + (-4)} - (-16) \\ & = \underline{(-6) - (-16)} \\ & = 10 \end{aligned}$$

# Order of Operations (B)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$((-4) \times (5 - 9)) \div ((-6) + 7) \times (-3)$$

$$10 \times (((-5) - 2 + 9) \div ((-8) - (-10)))$$

$$7 + (-8) \times (8 - 2) \div (-6) \div (-4)$$

$$((-8) \times (4 - (-5))) \div (6 + 2) \div 9$$

$$((-5) - 4) \div 9 \times ((-4) + (-9) + 5)$$

$$(10 \div ((-4) + (-6))) \times ((-3) - 2 - 8)$$

# Order of Operations (B) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} &((-4) \times (5 - 9)) \div ((-6) + 7) \times (-3) \\ &= ((-4) \times (-4)) \div ((-6) + 7) \times (-3) \\ &= 16 \div ((-6) + 7) \times (-3) \\ &= 16 \div 1 \times (-3) \\ &= 16 \times (-3) \\ &= -48 \end{aligned}$$

$$\begin{aligned} &10 \times (((-5) - 2 + 9) \div ((-8) - (-10))) \\ &= 10 \times (((-7) + 9) \div ((-8) - (-10))) \\ &= 10 \times (2 \div ((-8) - (-10))) \\ &= 10 \times (2 \div 2) \\ &= 10 \times 1 \\ &= 10 \end{aligned}$$

$$\begin{aligned} &7 + (-8) \times (8 - 2) \div (-6) \div (-4) \\ &= 7 + (-8) \times 6 \div (-6) \div (-4) \\ &= 7 + (-48) \div (-6) \div (-4) \\ &= 7 + 8 \div (-4) \\ &= 7 + (-2) \\ &= 5 \end{aligned}$$

$$\begin{aligned} &((-8) \times (4 - (-5))) \div (6 + 2) \div 9 \\ &= ((-8) \times 9) \div (6 + 2) \div 9 \\ &= (-72) \div (6 + 2) \div 9 \\ &= (-72) \div 8 \div 9 \\ &= (-9) \div 9 \\ &= -1 \end{aligned}$$

$$\begin{aligned} &((( -5) - 4) \div 9) \times ((-4) + (-9) + 5) \\ &= ((-9) \div 9) \times ((-4) + (-9) + 5) \\ &= (-1) \times ((-4) + (-9) + 5) \\ &= (-1) \times ((-13) + 5) \\ &= (-1) \times (-8) \\ &= 8 \end{aligned}$$

$$\begin{aligned} &(10 \div ((-4) + (-6))) \times ((-3) - 2 - 8) \\ &= (10 \div (-10)) \times ((-3) - 2 - 8) \\ &= (-1) \times ((-3) - 2 - 8) \\ &= (-1) \times ((-5) - 8) \\ &= (-1) \times (-13) \\ &= 13 \end{aligned}$$

# Order of Operations (C)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$10 - 2 + 9 \times (-8) \div ((-9) + (-3))$$

$$(2 - (-4)) \times 9 \div (6 + (-3)) \div 3$$

$$((-9) \div (5 - (-4))) \times (-5) + (-7) - 7$$

$$(-3) \div ((-10) - (-9) + 4) \times ((-6) - 2)$$

$$((4 - (-2)) \div (-3)) \times (7 + (-8) - 3)$$

$$((-9) + (-10)) \times (-3) \div 3 - 4 + 9$$

# Order of Operations (C) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned}10 - 2 + 9 \times (-8) \div ((-9) + (-3)) \\&= 10 - 2 + \underline{9 \times (-8)} \div (-12) \\&= 10 - 2 + \underline{(-72) \div (-12)} \\&= \underline{10 - 2} + 6 \\&= \underline{8 + 6} \\&= 14\end{aligned}$$

$$\begin{aligned}(2 - (-4)) \times 9 \div (6 + (-3)) \div 3 \\&= 6 \times 9 \div \underline{(6 + (-3))} \div 3 \\&= \underline{6 \times 9} \div 3 \div 3 \\&= \underline{54 \div 3} \div 3 \\&= \underline{18 \div 3} \\&= 6\end{aligned}$$

$$\begin{aligned}((-9) \div (5 - (-4))) \times (-5) + (-7) - 7 \\&= \underline{((-9) \div 9)} \times (-5) + (-7) - 7 \\&= \underline{(-1) \times (-5)} + (-7) - 7 \\&= \underline{5 + (-7)} - 7 \\&= \underline{(-2) - 7} \\&= -9\end{aligned}$$

$$\begin{aligned}(-3) \div ((-10) - (-9) + 4) \times ((-6) - 2) \\&= (-3) \div \underline{((-1) + 4)} \times ((-6) - 2) \\&= (-3) \div 3 \times \underline{((-6) - 2)} \\&= \underline{(-3) \div 3} \times (-8) \\&= \underline{(-1) \times (-8)} \\&= 8\end{aligned}$$

$$\begin{aligned}((4 - (-2)) \div (-3)) \times (7 + (-8) - 3) \\&= \underline{(6 \div (-3))} \times (7 + (-8) - 3) \\&= (-2) \times \underline{(7 + (-8) - 3)} \\&= (-2) \times \underline{((-1) - 3)} \\&= \underline{(-2) \times (-4)} \\&= 8\end{aligned}$$

$$\begin{aligned}((-9) + (-10)) \times (-3) \div 3 - 4 + 9 \\&= \underline{(-19) \times (-3)} \div 3 - 4 + 9 \\&= \underline{57 \div 3} - 4 + 9 \\&= \underline{19 - 4} + 9 \\&= \underline{15 + 9} \\&= 24\end{aligned}$$

# Order of Operations (D)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$((-6) - (-4)) \times (-8) \div 4 + 9 + (-3)$$

$$(7 \div ((-5) + 6)) \times 8 - (-10) + 9$$

$$8 \div ((-5) - 3) \times ((-9) + (-4)) \times (-3)$$

$$(5 \times 10) \div (-2) - 8 + (-3) + 4$$

$$(4 \times 5) \div ((-8) - (-9) + 9) \times (-3)$$

$$((7 + (-8)) \div ((-3) - (-2))) \times 4 + (-9)$$

# Order of Operations (D) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \left( \left( \underline{(-6) - (-4)} \right) \times (-8) \right) \div 4 + 9 + (-3) \\ & = \left( \underline{(-2) \times (-8)} \right) \div 4 + 9 + (-3) \\ & = \underline{16 \div 4} + 9 + (-3) \\ & = \underline{4 + 9} + (-3) \\ & = \underline{13 + (-3)} \\ & = 10 \end{aligned}$$

$$\begin{aligned} & \left( 7 \div \left( \underline{(-5) + 6} \right) \right) \times 8 - (-10) + 9 \\ & = \left( \underline{7 \div 1} \right) \times 8 - (-10) + 9 \\ & = \underline{7 \times 8} - (-10) + 9 \\ & = \underline{56 - (-10)} + 9 \\ & = \underline{66 + 9} \\ & = 75 \end{aligned}$$

$$\begin{aligned} & 8 \div \left( \underline{(-5) - 3} \right) \times ((-9) + (-4)) \times (-3) \\ & = 8 \div (-8) \times \left( \underline{(-9) + (-4)} \right) \times (-3) \\ & = \underline{8 \div (-8)} \times (-13) \times (-3) \\ & = \underline{(-1) \times (-13)} \times (-3) \\ & = \underline{13 \times (-3)} \\ & = -39 \end{aligned}$$

$$\begin{aligned} & \left( \underline{5 \times 10} \right) \div (-2) - 8 + (-3) + 4 \\ & = \underline{50 \div (-2)} - 8 + (-3) + 4 \\ & = \underline{(-25) - 8} + (-3) + 4 \\ & = \underline{(-33) + (-3)} + 4 \\ & = \underline{(-36) + 4} \\ & = -32 \end{aligned}$$

$$\begin{aligned} & \left( \underline{4 \times 5} \right) \div ((-8) - (-9) + 9) \times (-3) \\ & = 20 \div \left( \underline{(-8) - (-9) + 9} \right) \times (-3) \\ & = 20 \div \left( \underline{1 + 9} \right) \times (-3) \\ & = \underline{20 \div 10} \times (-3) \\ & = \underline{2 \times (-3)} \\ & = -6 \end{aligned}$$

$$\begin{aligned} & \left( \left( \underline{7 + (-8)} \right) \div ((-3) - (-2)) \right) \times 4 + (-9) \\ & = \left( (-1) \div \left( \underline{(-3) - (-2)} \right) \right) \times 4 + (-9) \\ & = \left( \underline{(-1) \div (-1)} \right) \times 4 + (-9) \\ & = \underline{1 \times 4} + (-9) \\ & = \underline{4 + (-9)} \\ & = -5 \end{aligned}$$



# Order of Operations (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$(-6) - 10 \times (-3) \div (8 + 7) \times (-2)$$

$$((-8) + 7) \times (-3) - (-5) \div 5 \times (-7)$$

$$((-5) \times (-9)) \div ((-4) + 2 - 7) \times (-10)$$

$$((-8) \div ((-7) - (-5))) \times 3 + 7 + (-3)$$

$$((6 + (-6)) \times (-3)) \div 9 - (-4) \times 4$$

$$8 \times ((7 + (-5) - 6) \div (2 - 3))$$

# Order of Operations (E) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-6) - 10 \times (-3) \div (8 + 7) \times (-2) \\ & = (-6) - \underline{10 \times (-3)} \div 15 \times (-2) \\ & = (-6) - \underline{(-30) \div 15} \times (-2) \\ & = (-6) - \underline{(-2) \times (-2)} \\ & = \underline{(-6) - 4} \\ & = -10 \end{aligned}$$

$$\begin{aligned} & ((-8) + 7) \times (-3) - (-5) \div 5 \times (-7) \\ & = \underline{(-1) \times (-3)} - (-5) \div 5 \times (-7) \\ & = 3 - \underline{(-5) \div 5} \times (-7) \\ & = 3 - \underline{(-1) \times (-7)} \\ & = \underline{3 - 7} \\ & = -4 \end{aligned}$$

$$\begin{aligned} & ((-5) \times (-9)) \div ((-4) + 2 - 7) \times (-10) \\ & = (45 \div \underline{(-4) + 2 - 7}) \times (-10) \\ & = (45 \div \underline{(-2) - 7}) \times (-10) \\ & = \underline{45 \div (-9)} \times (-10) \\ & = \underline{(-5) \times (-10)} \\ & = 50 \end{aligned}$$

$$\begin{aligned} & ((-8) \div ((-7) - (-5))) \times 3 + 7 + (-3) \\ & = \underline{(-8) \div (-2)} \times 3 + 7 + (-3) \\ & = \underline{4 \times 3} + 7 + (-3) \\ & = \underline{12 + 7} + (-3) \\ & = \underline{19 + (-3)} \\ & = 16 \end{aligned}$$

$$\begin{aligned} & ((6 + (-6)) \times (-3)) \div 9 - (-4) \times 4 \\ & = \underline{0 \times (-3)} \div 9 - (-4) \times 4 \\ & = \underline{0 \div 9} - (-4) \times 4 \\ & = 0 - \underline{(-4) \times 4} \\ & = \underline{0 - (-16)} \\ & = 16 \end{aligned}$$

$$\begin{aligned} & 8 \times ((7 + (-5)) - 6) \div (2 - 3) \\ & = 8 \times ((\underline{2 - 6}) \div (2 - 3)) \\ & = 8 \times ((-4) \div \underline{2 - 3}) \\ & = 8 \times \underline{(-4) \div (-1)} \\ & = \underline{8 \times 4} \\ & = 32 \end{aligned}$$

# Order of Operations (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$(10 \div (-5)) \times (-2) - 2 + (-7) - (-9)$$

$$((-8) + 4) \div (2 - 3) \times (-3) + 6$$

$$2 + 5 - 4 \times (-5) \div ((-4) - (-3))$$

$$(6 \times 3) \div 9 - (-4) + 2 \times (-5)$$

$$(-2) \times (((-6) + (-5) - 2) \div (9 + 4))$$

$$((6 + 2) \div 4) \times (-8) - (-10) + 7$$

# Order of Operations (F) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (10 \div (-5)) \times (-2) - 2 + (-7) - (-9) \\ &= (-2) \times (-2) - 2 + (-7) - (-9) \\ &= 4 - 2 + (-7) - (-9) \\ &= 2 + (-7) - (-9) \\ &= (-5) - (-9) \\ &= 4 \end{aligned}$$

$$\begin{aligned} & (((-8) + 4) \div (2 - 3)) \times (-3) + 6 \\ &= ((-4) \div (2 - 3)) \times (-3) + 6 \\ &= ((-4) \div (-1)) \times (-3) + 6 \\ &= 4 \times (-3) + 6 \\ &= (-12) + 6 \\ &= -6 \end{aligned}$$

$$\begin{aligned} & 2 + 5 - 4 \times (-5) \div ((-4) - (-3)) \\ &= 2 + 5 - 4 \times (-5) \div (-1) \\ &= 2 + 5 - (-20) \div (-1) \\ &= 2 + 5 - 20 \\ &= 7 - 20 \\ &= -13 \end{aligned}$$

$$\begin{aligned} & (6 \times 3) \div 9 - (-4) + 2 \times (-5) \\ &= 18 \div 9 - (-4) + 2 \times (-5) \\ &= 2 - (-4) + 2 \times (-5) \\ &= 2 - (-4) + (-10) \\ &= 6 + (-10) \\ &= -4 \end{aligned}$$

$$\begin{aligned} & (-2) \times (((-6) + (-5) - 2) \div (9 + 4)) \\ &= (-2) \times (((-11) - 2) \div (9 + 4)) \\ &= (-2) \times ((-13) \div (9 + 4)) \\ &= (-2) \times ((-13) \div 13) \\ &= (-2) \times (-1) \\ &= 2 \end{aligned}$$

$$\begin{aligned} & ((6 + 2) \div 4) \times (-8) - (-10) + 7 \\ &= (8 \div 4) \times (-8) - (-10) + 7 \\ &= 2 \times (-8) - (-10) + 7 \\ &= (-16) - (-10) + 7 \\ &= (-6) + 7 \\ &= 1 \end{aligned}$$

# Order of Operations (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$((-3) \div 3) \times 5 + (-6) - (-10) \times (-5)$$

$$(-3) + 4 - (-2) \times (10 \div (7 + (-5)))$$

$$((-8) \div 2) \times (-10) + 4 - (-5) + (-9)$$

$$((8 + 4) \div (-4)) \times (-9) - (-10) \times (-8)$$

$$(-10) \times (3 + (-5)) \div (((-7) - (-9)) \times 5)$$

$$(6 \times ((-7) + 9)) \div (2 - (-2)) \times 7$$

# Order of Operations (G) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \left( \frac{-3}{3} \right) \times 5 + (-6) - (-10) \times (-5) \\ & = \frac{-1}{1} \times 5 + (-6) - (-10) \times (-5) \\ & = (-5) + (-6) - \frac{-10}{1} \times \frac{-5}{1} \\ & = \frac{-5}{1} + \frac{-6}{1} - 50 \\ & = \frac{-11}{1} - 50 \\ & = -61 \end{aligned}$$

$$\begin{aligned} & (-3) + 4 - (-2) \times \left( 10 \div \left( \frac{7}{1} + \frac{-5}{1} \right) \right) \\ & = (-3) + 4 - (-2) \times \left( \frac{10}{1} \div \frac{2}{1} \right) \\ & = (-3) + 4 - \frac{-2}{1} \times \frac{5}{1} \\ & = \frac{-3}{1} + \frac{4}{1} - (-10) \\ & = \frac{1}{1} - (-10) \\ & = 11 \end{aligned}$$

$$\begin{aligned} & \left( \frac{-8}{2} \right) \times (-10) + 4 - (-5) + (-9) \\ & = \frac{-4}{1} \times \frac{-10}{1} + 4 - (-5) + (-9) \\ & = \frac{40}{1} + 4 - (-5) + (-9) \\ & = \frac{44}{1} - (-5) + (-9) \\ & = \frac{49}{1} + (-9) \\ & = 40 \end{aligned}$$

$$\begin{aligned} & \left( \frac{8}{4} \right) \div (-4) \times (-9) - (-10) \times (-8) \\ & = \left( \frac{12}{1} \div \frac{-4}{1} \right) \times (-9) - (-10) \times (-8) \\ & = \frac{-3}{1} \times \frac{-9}{1} - (-10) \times (-8) \\ & = 27 - \frac{-10}{1} \times \frac{-8}{1} \\ & = \frac{27}{1} - 80 \\ & = -53 \end{aligned}$$

$$\begin{aligned} & (-10) \times \left( \frac{3}{1} + \frac{-5}{1} \right) \div \left( \left( \frac{-7}{1} - \frac{-9}{1} \right) \times 5 \right) \\ & = (-10) \times (-2) \div \left( \left( \frac{-7}{1} - \frac{-9}{1} \right) \times 5 \right) \\ & = (-10) \times (-2) \div \left( \frac{2}{1} \times 5 \right) \\ & = \frac{-10}{1} \times \frac{-2}{1} \div 10 \\ & = \frac{20}{1} \div 10 \\ & = 2 \end{aligned}$$

$$\begin{aligned} & \left( 6 \times \left( \frac{-7}{1} + \frac{9}{1} \right) \right) \div \left( 2 - (-2) \right) \times 7 \\ & = \left( \frac{6}{1} \times \frac{2}{1} \right) \div \left( 2 - (-2) \right) \times 7 \\ & = 12 \div \left( \frac{2}{1} - \frac{-2}{1} \right) \times 7 \\ & = \frac{12}{1} \div \frac{4}{1} \times 7 \\ & = \frac{3}{1} \times 7 \\ & = 21 \end{aligned}$$

# Order of Operations (H)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$((-3) + 3) \times (-8) \div 2 - 4 + 5$$

$$8 + 5 - 10 \times (-4) \div ((-10) \times 2)$$

$$4 + (-6) \times ((-3) - 7) \div ((-4) - (-8))$$

$$((-10) + 8) \times (-9) - (-2) \div 2 \times 7$$

$$((5 - (-9)) \times 6) \div 4 + (-7) - 10$$

$$6 \div ((-2) + 8) \times (-6) - (-5) + (-4)$$

# Order of Operations (H) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{((-3) + 3)} \times (-8) \div 2 - 4 + 5 \\ & = \underline{0 \times (-8)} \div 2 - 4 + 5 \\ & = \underline{0 \div 2} - 4 + 5 \\ & = \underline{0 - 4} + 5 \\ & = \underline{(-4) + 5} \\ & = 1 \end{aligned}$$

$$\begin{aligned} & 8 + 5 - 10 \times (-4) \div \underline{((-10) \times 2)} \\ & = 8 + 5 - \underline{10 \times (-4)} \div (-20) \\ & = 8 + 5 - \underline{(-40) \div (-20)} \\ & = \underline{8 + 5} - 2 \\ & = \underline{13 - 2} \\ & = 11 \end{aligned}$$

$$\begin{aligned} & 4 + (-6) \times \underline{((-3) - 7)} \div ((-4) - (-8)) \\ & = 4 + (-6) \times (-10) \div \underline{((-4) - (-8))} \\ & = 4 + \underline{(-6) \times (-10)} \div 4 \\ & = 4 + \underline{60 \div 4} \\ & = \underline{4 + 15} \\ & = 19 \end{aligned}$$

$$\begin{aligned} & \underline{((-10) + 8)} \times (-9) - (-2) \div 2 \times 7 \\ & = \underline{(-2) \times (-9)} - (-2) \div 2 \times 7 \\ & = 18 - \underline{(-2) \div 2} \times 7 \\ & = 18 - \underline{(-1) \times 7} \\ & = \underline{18 - (-7)} \\ & = 25 \end{aligned}$$

$$\begin{aligned} & \underline{((5 - (-9)) \times 6)} \div 4 + (-7) - 10 \\ & = \underline{(14 \times 6)} \div 4 + (-7) - 10 \\ & = \underline{84 \div 4} + (-7) - 10 \\ & = \underline{21 + (-7)} - 10 \\ & = \underline{14 - 10} \\ & = 4 \end{aligned}$$

$$\begin{aligned} & 6 \div \underline{((-2) + 8)} \times (-6) - (-5) + (-4) \\ & = \underline{6 \div 6} \times (-6) - (-5) + (-4) \\ & = \underline{1 \times (-6)} - (-5) + (-4) \\ & = \underline{(-6) - (-5)} + (-4) \\ & = \underline{(-1) + (-4)} \\ & = -5 \end{aligned}$$



# Order of Operations (I)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$(-6) - 9 \div ((7 + (-8)) \times ((-4) - (-7)))$$

$$(5 \div ((-2) + (-4) - (-7))) \times ((-3) \times 2)$$

$$((4 - 10) \div (-6)) \times (7 + (-9) + (-10))$$

$$3 \times ((-2) - (-8)) \div 6 + (-6) \times 9$$

$$(-4) \times (8 + 9 - 10) \div ((-2) \times 7)$$

$$3 + (-7) \times 8 - 9 \div (5 - (-4))$$

# Order of Operations (I) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-6) - 9 \div \left( \left( \underline{7 + (-8)} \right) \times ((-4) - (-7)) \right) \\ & = (-6) - 9 \div \left( (-1) \times \left( \underline{(-4) - (-7)} \right) \right) \\ & = (-6) - 9 \div \left( \underline{(-1) \times 3} \right) \\ & = (-6) - \underline{9 \div (-3)} \\ & = \underline{(-6) - (-3)} \\ & = -3 \end{aligned}$$

$$\begin{aligned} & \left( 5 \div \left( \underline{(-2) + (-4)} - (-7) \right) \right) \times ((-3) \times 2) \\ & = \left( 5 \div \left( \underline{(-6) - (-7)} \right) \right) \times ((-3) \times 2) \\ & = \underline{5 \div 1} \times ((-3) \times 2) \\ & = 5 \times \left( \underline{(-3) \times 2} \right) \\ & = \underline{5 \times (-6)} \\ & = -30 \end{aligned}$$

$$\begin{aligned} & \left( \underline{4 - 10} \right) \div (-6) \times (7 + (-9) + (-10)) \\ & = \left( \underline{(-6) \div (-6)} \right) \times (7 + (-9) + (-10)) \\ & = 1 \times \left( \underline{7 + (-9) + (-10)} \right) \\ & = 1 \times \left( \underline{(-2) + (-10)} \right) \\ & = \underline{1 \times (-12)} \\ & = -12 \end{aligned}$$

$$\begin{aligned} & 3 \times \left( \underline{(-2) - (-8)} \right) \div 6 + (-6) \times 9 \\ & = \underline{3 \times 6} \div 6 + (-6) \times 9 \\ & = \underline{18 \div 6} + (-6) \times 9 \\ & = 3 + \underline{(-6) \times 9} \\ & = \underline{3 + (-54)} \\ & = -51 \end{aligned}$$

$$\begin{aligned} & (-4) \times \left( \underline{8 + 9} - 10 \right) \div ((-2) \times 7) \\ & = (-4) \times \left( \underline{17 - 10} \right) \div ((-2) \times 7) \\ & = (-4) \times 7 \div \left( \underline{(-2) \times 7} \right) \\ & = \underline{(-4) \times 7} \div (-14) \\ & = \underline{(-28) \div (-14)} \\ & = 2 \end{aligned}$$

$$\begin{aligned} & 3 + (-7) \times 8 - 9 \div \left( \underline{5 - (-4)} \right) \\ & = 3 + \underline{(-7) \times 8} - 9 \div 9 \\ & = 3 + (-56) - \underline{9 \div 9} \\ & = \underline{3 + (-56)} - 1 \\ & = \underline{(-53) - 1} \\ & = -54 \end{aligned}$$

# Order of Operations (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$(10 + 6) \div 2 \times (-5) - (-7) \times 3$$

$$(-2) + 5 - (-6) \times (-8) \div ((-9) - (-7))$$

$$(-2) - (-4) \times (7 + 5) \div 8 + (-10)$$

$$((-5) - 3) \times (9 + (-4)) \div (-2) + 8$$

$$((-4) + 6) \times (5 - 2) \div (9 + (-7))$$

$$6 \div ((-7) - (-9)) \times (-5) + (-4) - (-8)$$

# Order of Operations (J) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (10 + 6) \div 2 \times (-5) - (-7) \times 3 \\ & = 16 \div 2 \times (-5) - (-7) \times 3 \\ & = 8 \times (-5) - (-7) \times 3 \\ & = (-40) - (-7) \times 3 \\ & = (-40) - (-21) \\ & = -19 \end{aligned}$$

$$\begin{aligned} & (-2) + 5 - (-6) \times (-8) \div ((-9) - (-7)) \\ & = (-2) + 5 - (-6) \times (-8) \div (-2) \\ & = (-2) + 5 - 48 \div (-2) \\ & = (-2) + 5 - (-24) \\ & = 3 - (-24) \\ & = 27 \end{aligned}$$

$$\begin{aligned} & (-2) - (-4) \times (7 + 5) \div 8 + (-10) \\ & = (-2) - (-4) \times 12 \div 8 + (-10) \\ & = (-2) - (-48) \div 8 + (-10) \\ & = (-2) - (-6) + (-10) \\ & = 4 + (-10) \\ & = -6 \end{aligned}$$

$$\begin{aligned} & ((-5) - 3) \times (9 + (-4)) \div (-2) + 8 \\ & = (-8) \times (9 + (-4)) \div (-2) + 8 \\ & = (-8) \times 5 \div (-2) + 8 \\ & = (-40) \div (-2) + 8 \\ & = 20 + 8 \\ & = 28 \end{aligned}$$

$$\begin{aligned} & ((-4) + 6) \times (5 - 2) \div (9 + (-7)) \\ & = 2 \times (5 - 2) \div (9 + (-7)) \\ & = 2 \times 3 \div (9 + (-7)) \\ & = 2 \times 3 \div 2 \\ & = 6 \div 2 \\ & = 3 \end{aligned}$$

$$\begin{aligned} & 6 \div ((-7) - (-9)) \times (-5) + (-4) - (-8) \\ & = 6 \div 2 \times (-5) + (-4) - (-8) \\ & = 3 \times (-5) + (-4) - (-8) \\ & = (-15) + (-4) - (-8) \\ & = (-19) - (-8) \\ & = -11 \end{aligned}$$