# Order of Operations (A)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(10 + 2 - 5) \times \left(6^2 \div (8 - 4)\right)$

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

$8 \div (10 - 9)^3 \times 7 + 4^2$

$(10 \times (6 + 4)) \div \left(2^3 - 7\right)^2$

$\left(8 + 5^2\right) \times \left((9 - 7)^2 \div 2\right)$

$(3 + 9) \div 6 - 2 \times 8 \div 4^2$

# Order of Operations (A)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(10+2-5)\times(6^2\div(8-4))$
$=(12-5)\times(6^2\div(8-4))$
$=7\times(6^2\div(8-4))$
$=7\times(6^2\div4)$
$=7\times(36\div4)$
$=7\times9$
$=63$

$10+8-6^2\div(3^2\times4)$
$=10+8-6^2\div(9\times4)$
$=10+8-6^2\div36$
$=10+8-36\div36$
$=10+8-1$
$=18-1$
$=17$

$8\div(10-9)^3\times7+4^2$
$=8\div1^3\times7+4^2$
$=8\div1\times7+4^2$
$=8\div1\times7+16$
$=8\times7+16$
$=56+16$
$=72$

$(10\times(6+4))\div(2^3-7)^2$
$=(10\times10)\div(2^3-7)^2$
$=100\div(2^3-7)^2$
$=100\div(8-7)^2$
$=100\div1^2$
$=100\div1$
$=100$

$(8+5^2)\times\left((9-7)^2\div2\right)$
$=(8+25)\times\left((9-7)^2\div2\right)$
$=33\times\left((9-7)^2\div2\right)$
$=33\times(2^2\div2)$
$=33\times(4\div2)$
$=33\times2$
$=66$

$(3+9)\div6-2\times8\div4^2$
$=12\div6-2\times8\div4^2$
$=12\div6-2\times8\div16$
$=2-2\times8\div16$
$=2-16\div16$
$=2-1$
$=1$

# Order of Operations (B)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

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

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

$\left(2 \times (5 + 4 - 9)^2\right)^3 \div 7$

$(2 \times 5)^2 \div (7 - 3 + 10 - 9)$

$(6 \div 3) \times 9 + 7 - 4 + 8^2$

$\left(6^2 \div 9\right) \times 5^2 - 8 + 3$

# Order of Operations (B)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$4 \times (7 + 8 - 10)^2 \div 5^2$
$= 4 \times (15 - 10)^2 \div 5^2$
$= 4 \times 5^2 \div 5^2$
$= 4 \times 25 \div 5^2$
$= 4 \times 25 \div 25$
$= 100 \div 25$
$= 4$

$\left((7 - 5)^2 \div 2\right) \times (3 + 4 + 10)$
$= \left(2^2 \div 2\right) \times (3 + 4 + 10)$
$= (4 \div 2) \times (3 + 4 + 10)$
$= 2 \times (3 + 4 + 10)$
$= 2 \times (7 + 10)$
$= 2 \times 17$
$= 34$

$\left(2 \times (5 + 4 - 9)^2\right)^3 \div 7$
$= \left(2 \times (9 - 9)^2\right)^3 \div 7$
$= \left(2 \times 0^2\right)^3 \div 7$
$= (2 \times 0)^3 \div 7$
$= 0^3 \div 7$
$= 0 \div 7$
$= 0$

$(2 \times 5)^2 \div (7 - 3 + 10 - 9)$
$= 10^2 \div (7 - 3 + 10 - 9)$
$= 10^2 \div (4 + 10 - 9)$
$= 10^2 \div (14 - 9)$
$= 10^2 \div 5$
$= 100 \div 5$
$= 20$

$(6 \div 3) \times 9 + 7 - 4 + 8^2$
$= 2 \times 9 + 7 - 4 + 8^2$
$= 2 \times 9 + 7 - 4 + 64$
$= 18 + 7 - 4 + 64$
$= 25 - 4 + 64$
$= 21 + 64$
$= 85$

$\left(6^2 \div 9\right) \times 5^2 - 8 + 3$
$= (36 \div 9) \times 5^2 - 8 + 3$
$= 4 \times 5^2 - 8 + 3$
$= 4 \times 25 - 8 + 3$
$= 100 - 8 + 3$
$= 92 + 3$
$= 95$

# Order of Operations (C)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$2 \times \left((6 - 5 + 3)^2 \div 4^2\right)$

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

$10 - 9 + 8 \times 6 \div \left(5 - 2^2\right)$

$3 \times (8 - 4)^2 \div 6 + 2 + 5$

$(4 \div (10 - 6)) \times 7 + 2^2 + 5$

$10 - 4 + 3^2 \times 6 \div (7 + 2)$

# Order of Operations (C)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$2 \times \left((6-5+3)^2 \div 4^2\right)$
$= 2 \times \left((1+3)^2 \div 4^2\right)$
$= 2 \times (4^2 \div 4^2)$
$= 2 \times (16 \div 4^2)$
$= 2 \times (16 \div 16)$
$= 2 \times 1$
$= 2$

$(10 \times 8) \div (7 - 2^2 + 5) \times 4$
$= 80 \div (7 - 2^2 + 5) \times 4$
$= 80 \div (7 - 4 + 5) \times 4$
$= 80 \div (3 + 5) \times 4$
$= 80 \div 8 \times 4$
$= 10 \times 4$
$= 40$

$10 - 9 + 8 \times 6 \div (5 - 2^2)$
$= 10 - 9 + 8 \times 6 \div (5 - 4)$
$= 10 - 9 + 8 \times 6 \div 1$
$= 10 - 9 + 48 \div 1$
$= 10 - 9 + 48$
$= 1 + 48$
$= 49$

$3 \times (8-4)^2 \div 6 + 2 + 5$
$= 3 \times 4^2 \div 6 + 2 + 5$
$= 3 \times 16 \div 6 + 2 + 5$
$= 48 \div 6 + 2 + 5$
$= 8 + 2 + 5$
$= 10 + 5$
$= 15$

$(4 \div (10-6)) \times 7 + 2^2 + 5$
$= (4 \div 4) \times 7 + 2^2 + 5$
$= 1 \times 7 + 2^2 + 5$
$= 1 \times 7 + 4 + 5$
$= 7 + 4 + 5$
$= 11 + 5$
$= 16$

$10 - 4 + 3^2 \times 6 \div (7+2)$
$= 10 - 4 + 3^2 \times 6 \div 9$
$= 10 - 4 + 9 \times 6 \div 9$
$= 10 - 4 + 54 \div 9$
$= 10 - 4 + 6$
$= 6 + 6$
$= 12$

# Order of Operations (D)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

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

$\left(2^3 \times (7 - 5)^3\right) \div 8 + 10$

$\left(2 \times (4 + 5 - 9)^3\right)^3 \div 7$

$\left(2^2 \div 4\right)^2 \times 9 - 7 + 3$

$(10 - 6) \div 2 + 4^2 \times (9 - 7)$

$\left(8 - 2^3\right) \div 3 \times 10 + 7 - 5$

# Order of Operations (D)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(6+5-4)\times\left(3^2\div 9\right)^2$
$=(11-4)\times\left(3^2\div 9\right)^2$
$=7\times\left(3^2\div 9\right)^2$
$=7\times(9\div 9)^2$
$=7\times 1^2$
$=7\times 1$
$=7$

$\left(2^3\times(7-5)^3\right)\div 8+10$
$=\left(2^3\times 2^3\right)\div 8+10$
$=\left(8\times 2^3\right)\div 8+10$
$=(8\times 8)\div 8+10$
$=64\div 8+10$
$=8+10$
$=18$

$\left(2\times(4+5-9)^3\right)^3\div 7$
$=\left(2\times(9-9)^3\right)^3\div 7$
$=\left(2\times 0^3\right)^3\div 7$
$=(2\times 0)^3\div 7$
$=0^3\div 7$
$=0\div 7$
$=0$

$\left(2^2\div 4\right)^2\times 9-7+3$
$=(4\div 4)^2\times 9-7+3$
$=1^2\times 9-7+3$
$=1\times 9-7+3$
$=9-7+3$
$=2+3$
$=5$

$(10-6)\div 2+4^2\times(9-7)$
$=4\div 2+4^2\times(9-7)$
$=4\div 2+4^2\times 2$
$=4\div 2+16\times 2$
$=2+16\times 2$
$=2+32$
$=34$

$\left(8-2^3\right)\div 3\times 10+7-5$
$=(8-8)\div 3\times 10+7-5$
$=0\div 3\times 10+7-5$
$=0\times 10+7-5$
$=0+7-5$
$=7-5$
$=2$

# Order of Operations (E)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$8 + 5 - 3 \times 2^3 \div (9 - 6)$

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

$\left(10^2 \div (6 + 8 - 9)^2\right) \times 4$

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

$(10 \times 6) \div (4^2 - 5 + 3^2)$

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

# Order of Operations (E)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$8 + 5 - 3 \times 2^3 \div (9 - 6)$
$= 8 + 5 - 3 \times 2^3 \div 3$
$= 8 + 5 - 3 \times 8 \div 3$
$= 8 + 5 - 24 \div 3$
$= 8 + 5 - 8$
$= 13 - 8$
$= 5$

$(3^2 + 7 - 9) \times (4^3 \div 8)$
$= (9 + 7 - 9) \times (4^3 \div 8)$
$= (16 - 9) \times (4^3 \div 8)$
$= 7 \times (4^3 \div 8)$
$= 7 \times (64 \div 8)$
$= 7 \times 8$
$= 56$

$\left(10^2 \div (6 + 8 - 9)^2\right) \times 4$
$= \left(10^2 \div (14 - 9)^2\right) \times 4$
$= (10^2 \div 5^2) \times 4$
$= (100 \div 5^2) \times 4$
$= (100 \div 25) \times 4$
$= 4 \times 4$
$= 16$

$(4 - 2^2) \times 3 \div 7 + 8^2$
$= (4 - 4) \times 3 \div 7 + 8^2$
$= 0 \times 3 \div 7 + 8^2$
$= 0 \times 3 \div 7 + 64$
$= 0 \div 7 + 64$
$= 0 + 64$
$= 64$

$(10 \times 6) \div (4^2 - 5 + 3^2)$
$= 60 \div (4^2 - 5 + 3^2)$
$= 60 \div (16 - 5 + 3^2)$
$= 60 \div (16 - 5 + 9)$
$= 60 \div (11 + 9)$
$= 60 \div 20$
$= 3$

$(3^2 \times 4) \div 6 + 5^2 - 2$
$= (9 \times 4) \div 6 + 5^2 - 2$
$= 36 \div 6 + 5^2 - 2$
$= 36 \div 6 + 25 - 2$
$= 6 + 25 - 2$
$= 31 - 2$
$= 29$

# Order of Operations (F)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

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

$\left(3 \div (7 - 6)^2\right) \times (9 + 8 + 2)$

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

$(6 + 2^2 - 10) \div (3 \times (9 + 7))$

$((6 + 5) \times 4) \div 2 - 7 - 3^2$

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

# Order of Operations (F)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$9 + 4 \div (10 - \underline{2^3}) \times 3^2$
$= 9 + 4 \div (\underline{10 - 8}) \times 3^2$
$= 9 + 4 \div 2 \times \underline{3^2}$
$= 9 + \underline{4 \div 2} \times 9$
$= 9 + \underline{2 \times 9}$
$= \underline{9 + 18}$
$= 27$

$\left(3 \div (\underline{7 - 6})^2\right) \times (9 + 8 + 2)$
$= \left(3 \div \underline{1^2}\right) \times (9 + 8 + 2)$
$= (\underline{3 \div 1}) \times (9 + 8 + 2)$
$= 3 \times (\underline{9 + 8} + 2)$
$= 3 \times (\underline{17 + 2})$
$= \underline{3 \times 19}$
$= 57$

$(\underline{9 \div 3}) \times \left(6 + 2^3 - 5 - 4\right)$
$= 3 \times \left(6 + \underline{2^3} - 5 - 4\right)$
$= 3 \times (\underline{6 + 8} - 5 - 4)$
$= 3 \times (\underline{14 - 5} - 4)$
$= 3 \times (\underline{9 - 4})$
$= \underline{3 \times 5}$
$= 15$

$\left(6 + \underline{2^2} - 10\right) \div (3 \times (9 + 7))$
$= (\underline{6 + 4} - 10) \div (3 \times (9 + 7))$
$= (\underline{10 - 10}) \div (3 \times (9 + 7))$
$= 0 \div (3 \times (\underline{9 + 7}))$
$= 0 \div (\underline{3 \times 16})$
$= \underline{0 \div 48}$
$= 0$

$((\underline{6 + 5}) \times 4) \div 2 - 7 - 3^2$
$= (\underline{11 \times 4}) \div 2 - 7 - 3^2$
$= 44 \div 2 - 7 - \underline{3^2}$
$= \underline{44 \div 2} - 7 - 9$
$= \underline{22 - 7} - 9$
$= \underline{15 - 9}$
$= 6$

$(\underline{4 \div 2})^3 \times 10 + 6 - 3^2$
$= \underline{2^3} \times 10 + 6 - 3^2$
$= 8 \times 10 + 6 - \underline{3^2}$
$= \underline{8 \times 10} + 6 - 9$
$= \underline{80 + 6} - 9$
$= \underline{86 - 9}$
$= 77$

# Order of Operations (G)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

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

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

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

$\left((8 - 5)^2 \div (6 + 3)\right)^3 \times 4$

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

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

# Order of Operations (G)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(3^2 + 7 - 4^2) \div (6 \times 2)$
$= (9 + 7 - 4^2) \div (6 \times 2)$
$= (9 + 7 - 16) \div (6 \times 2)$
$= (16 - 16) \div (6 \times 2)$
$= 0 \div (6 \times 2)$
$= 0 \div 12$
$= 0$

$(2^3 \times (6 + 8 - 10)) \div 4^2$
$= (2^3 \times (14 - 10)) \div 4^2$
$= (2^3 \times 4) \div 4^2$
$= (8 \times 4) \div 4^2$
$= 32 \div 4^2$
$= 32 \div 16$
$= 2$

$8 \div (2^2 + 7 - 9)^2 \times 5$
$= 8 \div (4 + 7 - 9)^2 \times 5$
$= 8 \div (11 - 9)^2 \times 5$
$= 8 \div 2^2 \times 5$
$= 8 \div 4 \times 5$
$= 2 \times 5$
$= 10$

$\left((8 - 5)^2 \div (6 + 3)\right)^3 \times 4$
$= \left(3^2 \div (6 + 3)\right)^3 \times 4$
$= \left(3^2 \div 9\right)^3 \times 4$
$= (9 \div 9)^3 \times 4$
$= 1^3 \times 4$
$= 1 \times 4$
$= 4$

$3^2 + 2 \div (6 - 5) \times 4^2$
$= 3^2 + 2 \div 1 \times 4^2$
$= 9 + 2 \div 1 \times 4^2$
$= 9 + 2 \div 1 \times 16$
$= 9 + 2 \times 16$
$= 9 + 32$
$= 41$

$(9 \div (5 - 4)) \times 3 + 8^2 - 2$
$= (9 \div 1) \times 3 + 8^2 - 2$
$= 9 \times 3 + 8^2 - 2$
$= 9 \times 3 + 64 - 2$
$= 27 + 64 - 2$
$= 91 - 2$
$= 89$

# Order of Operations (H)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(8 - 5 + 7) \div \left(10 \times (4 - 3)^3\right)$

$(8 \div (3 + 5 - 4)) \times \left(7 - 2^2\right)$

$\left(6^2 \div (7 - 4)^2\right) \times 9 + 2$

$8 \times (3 + 9) \div 2^2 - 10 + 6$

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

$9 + 3^3 - 2 \times (6 \div (10 \div 5))$

# Order of Operations (H)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(8-5+7) \div \left(10 \times (4-3)^3\right)$
$= (3+7) \div \left(10 \times (4-3)^3\right)$
$= 10 \div \left(10 \times (4-3)^3\right)$
$= 10 \div \left(10 \times 1^3\right)$
$= 10 \div (10 \times 1)$
$= 10 \div 10$
$= 1$

$(8 \div (3+5-4)) \times \left(7-2^2\right)$
$= (8 \div (8-4)) \times \left(7-2^2\right)$
$= (8 \div 4) \times \left(7-2^2\right)$
$= 2 \times \left(7-2^2\right)$
$= 2 \times (7-4)$
$= 2 \times 3$
$= 6$

$\left(6^2 \div (7-4)^2\right) \times 9 + 2$
$= \left(6^2 \div 3^2\right) \times 9 + 2$
$= \left(36 \div 3^2\right) \times 9 + 2$
$= (36 \div 9) \times 9 + 2$
$= 4 \times 9 + 2$
$= 36 + 2$
$= 38$

$8 \times (3+9) \div 2^2 - 10 + 6$
$= 8 \times 12 \div 2^2 - 10 + 6$
$= 8 \times 12 \div 4 - 10 + 6$
$= 96 \div 4 - 10 + 6$
$= 24 - 10 + 6$
$= 14 + 6$
$= 20$

$5^2 \times ((3+6-9) \div 2)^3$
$= 5^2 \times ((9-9) \div 2)^3$
$= 5^2 \times (0 \div 2)^3$
$= 5^2 \times 0^3$
$= 25 \times 0^3$
$= 25 \times 0$
$= 0$

$9 + 3^3 - 2 \times (6 \div (10 \div 5))$
$= 9 + 3^3 - 2 \times (6 \div 2)$
$= 9 + 3^3 - 2 \times 3$
$= 9 + 27 - 2 \times 3$
$= 9 + 27 - 6$
$= 36 - 6$
$= 30$

# Order of Operations (I)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

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

$(5 - 3)^2 \times 10 \div 4 + 9^2$

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

$7 + 3 \times 8 \div (10 - 2^3) \div 4$

$6 \div (2^2 + 3 - 4) \times (8 + 9)$

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

# Order of Operations (I)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(6^2 \div 9) \times (2^3 + 3 - 4)$
$= (36 \div 9) \times (2^3 + 3 - 4)$
$= 4 \times (2^3 + 3 - 4)$
$= 4 \times (8 + 3 - 4)$
$= 4 \times (11 - 4)$
$= 4 \times 7$
$= 28$

$(5 - 3)^2 \times 10 \div 4 + 9^2$
$= 2^2 \times 10 \div 4 + 9^2$
$= 4 \times 10 \div 4 + 9^2$
$= 4 \times 10 \div 4 + 81$
$= 40 \div 4 + 81$
$= 10 + 81$
$= 91$

$9^2 - 8 \div (2^2 + 4) \times 10$
$= 9^2 - 8 \div (4 + 4) \times 10$
$= 9^2 - 8 \div 8 \times 10$
$= 81 - 8 \div 8 \times 10$
$= 81 - 1 \times 10$
$= 81 - 10$
$= 71$

$7 + 3 \times 8 \div (10 - 2^3) \div 4$
$= 7 + 3 \times 8 \div (10 - 8) \div 4$
$= 7 + 3 \times 8 \div 2 \div 4$
$= 7 + 24 \div 2 \div 4$
$= 7 + 12 \div 4$
$= 7 + 3$
$= 10$

$6 \div (2^2 + 3 - 4) \times (8 + 9)$
$= 6 \div (4 + 3 - 4) \times (8 + 9)$
$= 6 \div (7 - 4) \times (8 + 9)$
$= 6 \div 3 \times (8 + 9)$
$= 6 \div 3 \times 17$
$= 2 \times 17$
$= 34$

$\left((8 - 6)^3 \times 3\right) \div 2 + 9^2$
$= (2^3 \times 3) \div 2 + 9^2$
$= (8 \times 3) \div 2 + 9^2$
$= 24 \div 2 + 9^2$
$= 24 \div 2 + 81$
$= 12 + 81$
$= 93$

# Order of Operations (J)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$10 \div \left(3^2 - 2^3 + 4\right) \times 7$

$\left(10 + 5^2\right) \times \left(9 - 3^2\right) \div 2$

$7 \div (10 - 6 + 3) \times \left(9^2 + 8\right)$

$6^2 \div \left(8 + 4 - 2^3\right) \times 7$

$2^3 - 6 \times ((4 + 9) \div (8 + 5))$

$9 + 6 - 10^2 \div \left(2^2 \times 5\right)$

# Order of Operations (J)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$10 \div (3^2 - 2^3 + 4) \times 7$
$= 10 \div (9 - 2^3 + 4) \times 7$
$= 10 \div (9 - 8 + 4) \times 7$
$= 10 \div (1 + 4) \times 7$
$= 10 \div 5 \times 7$
$= 2 \times 7$
$= 14$

$(10 + 5^2) \times (9 - 3^2) \div 2$
$= (10 + 25) \times (9 - 3^2) \div 2$
$= 35 \times (9 - 3^2) \div 2$
$= 35 \times (9 - 9) \div 2$
$= 35 \times 0 \div 2$
$= 0 \div 2$
$= 0$

$7 \div (10 - 6 + 3) \times (9^2 + 8)$
$= 7 \div (4 + 3) \times (9^2 + 8)$
$= 7 \div 7 \times (9^2 + 8)$
$= 7 \div 7 \times (81 + 8)$
$= 7 \div 7 \times 89$
$= 1 \times 89$
$= 89$

$6^2 \div (8 + 4 - 2^3) \times 7$
$= 6^2 \div (8 + 4 - 8) \times 7$
$= 6^2 \div (12 - 8) \times 7$
$= 6^2 \div 4 \times 7$
$= 36 \div 4 \times 7$
$= 9 \times 7$
$= 63$

$2^3 - 6 \times ((4 + 9) \div (8 + 5))$
$= 2^3 - 6 \times (13 \div (8 + 5))$
$= 2^3 - 6 \times (13 \div 13)$
$= 2^3 - 6 \times 1$
$= 8 - 6 \times 1$
$= 8 - 6$
$= 2$

$9 + 6 - 10^2 \div (2^2 \times 5)$
$= 9 + 6 - 10^2 \div (4 \times 5)$
$= 9 + 6 - 10^2 \div 20$
$= 9 + 6 - 100 \div 20$
$= 9 + 6 - 5$
$= 15 - 5$
$= 10$