Order of Operations with Decimals (A)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$1.6 \times (1.7 + 2.5)$

$5.9 - (1.4)^2$

$7.5 + (7.2)^2$

$9.4 \times (5.4 - 1.8)$

$6.2 + (6.4)^2$

$5.5 \div (2.5)^2$

$6.6 \times 4.3 + 7.6$

$(4.8)^2 - 2.5$

$(3.75 + 7.8) \times 4.8$

$1.4 + (7.8)^2$

Order of Operations with Decimals (A) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$1.6 \times (1.7 + 2.5)$
$= 1.6 \times 4.2$
$= 6.72$

$5.9 - (1.4)^2$
$= 5.9 - 1.96$
$= 3.94$

$7.5 + (7.2)^2$
$= 7.5 + 51.84$
$= 59.34$

$9.4 \times (5.4 - 1.8)$
$= 9.4 \times 3.6$
$= 33.84$

$6.2 + (6.4)^2$
$= 6.2 + 40.96$
$= 47.16$

$5.5 \div (2.5)^2$
$= 5.5 \div 6.25$
$= 0.88$

$6.6 \times 4.3 + 7.6$
$= 28.38 + 7.6$
$= 35.98$

$(4.8)^2 - 2.5$
$= 23.04 - 2.5$
$= 20.54$

$(3.75 + 7.8) \times 4.8$
$= 11.55 \times 4.8$
$= 55.44$

$1.4 + (7.8)^2$
$= 1.4 + 60.84$
$= 62.24$

Order of Operations with Decimals (B)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(8.6 - 6.9) \times 3.3$

$6.7 + (8.3)^2$

$3.2 \times 9.7 - 5.6$

$7.6 \times (2.8 + 2.2)$

$(1.6)^2 \times 8.5$

$(8.7)^2 - 8.2$

$(1.6)^2 \times 1.5$

$(6.7)^2 - 8.5$

$3.2 \times 6.4 + 6.7$

$6.7 + 6.6 \times 8.7$

Order of Operations with Decimals (B) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(8.6 - 6.9) \times 3.3$
$= 1.7 \times 3.3$
$= 5.61$

$6.7 + (8.3)^2$
$= 6.7 + 68.89$
$= 75.59$

$3.2 \times 9.7 - 5.6$
$= 31.04 - 5.6$
$= 25.44$

$7.6 \times (2.8 + 2.2)$
$= 7.6 \times 5$
$= 38$

$(1.6)^2 \times 8.5$
$= 2.56 \times 8.5$
$= 21.76$

$(8.7)^2 - 8.2$
$= 75.69 - 8.2$
$= 67.49$

$(1.6)^2 \times 1.5$
$= 2.56 \times 1.5$
$= 3.84$

$(6.7)^2 - 8.5$
$= 44.89 - 8.5$
$= 36.39$

$3.2 \times 6.4 + 6.7$
$= 20.48 + 6.7$
$= 27.18$

$6.7 + 6.6 \times 8.7$
$= 6.7 + 57.42$
$= 64.12$

Order of Operations with Decimals (C)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$1.9 \times (1.4 + 7.9)$

$(5.6)^2 - 7.8$

$(2.6)^2 - 3.4$

$(8.3 - 1.2) \times 9.1$

$4.4 + (7.9)^2$

$(1.4 - 1.4) \div 2.7$

$(1.4 + 4.1) \times 2.6$

$(8.6 - 2.5) \times 8.2$

$9.1 \times (1.9 - 1.4)$

$1.1 \times (6.1 + 3.6)$

Order of Operations with Decimals (C) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$1.9 \times (1.4 + 7.9)$
$= 1.9 \times 9.3$
$= 17.67$

$(5.6)^2 - 7.8$
$= 31.36 - 7.8$
$= 23.56$

$(2.6)^2 - 3.4$
$= 6.76 - 3.4$
$= 3.36$

$(8.3 - 1.2) \times 9.1$
$= 7.1 \times 9.1$
$= 64.61$

$4.4 + (7.9)^2$
$= 4.4 + 62.41$
$= 66.81$

$(1.4 - 1.4) \div 2.7$
$= 0 \div 2.7$
$= 0$

$(1.4 + 4.1) \times 2.6$
$= 5.5 \times 2.6$
$= 14.3$

$(8.6 - 2.5) \times 8.2$
$= 6.1 \times 8.2$
$= 50.02$

$9.1 \times (1.9 - 1.4)$
$= 9.1 \times 0.5$
$= 4.55$

$1.1 \times (6.1 + 3.6)$
$= 1.1 \times 9.7$
$= 10.67$

Order of Operations with Decimals (D)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$9.8 + (9.3)^2$

$(5.4)^2 \div 7.2$

$5.6 \times 2.2 - 5.3$

$5.5 + 9.6 \times 2.5$

$7.7 + (6.9)^2$

$6.9 + (2.5)^2$

$2.7 + (1.5)^2$

$6.5 + (1.4)^2$

$2.8 \times (9.3 + 2.6)$

$(4.2)^2 - 7.8$

Order of Operations with Decimals (D) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$9.8 + \underline{(9.3)^2}$
$= \underline{9.8 + 86.49}$
$= 96.29$

$\underline{(5.4)^2} \div 7.2$
$= \underline{29.16 \div 7.2}$
$= 4.05$

$\underline{5.6 \times 2.2} - 5.3$
$= \underline{12.32 - 5.3}$
$= 7.02$

$5.5 + \underline{9.6 \times 2.5}$
$= \underline{5.5 + 24}$
$= 29.5$

$7.7 + \underline{(6.9)^2}$
$= \underline{7.7 + 47.61}$
$= 55.31$

$6.9 + \underline{(2.5)^2}$
$= \underline{6.9 + 6.25}$
$= 13.15$

$2.7 + \underline{(1.5)^2}$
$= \underline{2.7 + 2.25}$
$= 4.95$

$6.5 + \underline{(1.4)^2}$
$= \underline{6.5 + 1.96}$
$= 8.46$

$2.8 \times (\underline{9.3 + 2.6})$
$= \underline{2.8 \times 11.9}$
$= 33.32$

$\underline{(4.2)^2} - 7.8$
$= \underline{17.64 - 7.8}$
$= 9.84$

Order of Operations with Decimals (E)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$7.9 - 1.9 \times 2.2$

$(8.6 + 1.4) \times 5.6$

$4.1 + 8.7 \times 3.8$

$2.9 \times 4.8 + 7.1$

$8.2 \times (1.1 + 5.3)$

$3.3 + (7.4)^2$

$(6.5 + 7.6) \times 4.7$

$9.1 + (7.2)^2$

$(8.7 - 2.5) \times 4.8$

$4.6 \times 1.1 + 1.8$

Order of Operations with Decimals (E) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$7.9 - \underline{1.9 \times 2.2}$
$= \underline{7.9 - 4.18}$
$= 3.72$

$(\underline{8.6 + 1.4}) \times 5.6$
$= \underline{10 \times 5.6}$
$= 56$

$4.1 + \underline{8.7 \times 3.8}$
$= \underline{4.1 + 33.06}$
$= 37.16$

$\underline{2.9 \times 4.8} + 7.1$
$= \underline{13.92 + 7.1}$
$= 21.02$

$8.2 \times (\underline{1.1 + 5.3})$
$= \underline{8.2 \times 6.4}$
$= 52.48$

$3.3 + \underline{(7.4)^2}$
$= \underline{3.3 + 54.76}$
$= 58.06$

$(\underline{6.5 + 7.6}) \times 4.7$
$= \underline{14.1 \times 4.7}$
$= 66.27$

$9.1 + \underline{(7.2)^2}$
$= \underline{9.1 + 51.84}$
$= 60.94$

$(\underline{8.7 - 2.5}) \times 4.8$
$= \underline{6.2 \times 4.8}$
$= 29.76$

$\underline{4.6 \times 1.1} + 1.8$
$= \underline{5.06 + 1.8}$
$= 6.86$

Order of Operations with Decimals (F)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$8.7 + (4.7)^2$

$(8.5)^2 + 6.2$

$2.6 \times (3.6 + 1.1)$

$2.5 \times (2.8)^2$

$(2.5)^2 - 4.5$

$4.5 \times 8.8 - 8.9$

$(8.5)^2 + 2.9$

$(4.5)^2 - 2.2$

$6.3 \times (2.2 + 6.8)$

$2.8 \times (6.3 + 8.5)$

Order of Operations with Decimals (F) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$8.7 + \underline{(4.7)^2}$
$= \underline{8.7 + 22.09}$
$= 30.79$

$\underline{(8.5)^2} + 6.2$
$= \underline{72.25 + 6.2}$
$= 78.45$

$2.6 \times (\underline{3.6 + 1.1})$
$= \underline{2.6 \times 4.7}$
$= 12.22$

$2.5 \times \underline{(2.8)^2}$
$= \underline{2.5 \times 7.84}$
$= 19.6$

$\underline{(2.5)^2} - 4.5$
$= \underline{6.25 - 4.5}$
$= 1.75$

$\underline{4.5 \times 8.8} - 8.9$
$= \underline{39.6 - 8.9}$
$= 30.7$

$\underline{(8.5)^2} + 2.9$
$= \underline{72.25 + 2.9}$
$= 75.15$

$\underline{(4.5)^2} - 2.2$
$= \underline{20.25 - 2.2}$
$= 18.05$

$6.3 \times (\underline{2.2 + 6.8})$
$= \underline{6.3 \times 9}$
$= 56.7$

$2.8 \times (\underline{6.3 + 8.5})$
$= \underline{2.8 \times 14.8}$
$= 41.44$

Order of Operations with Decimals (G)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$1.25 \times (2.4)^2$

$2.3 \times 2.7 - 5.1$

$8.5 + (1.7)^2$

$2.3 \times 4.6 + 6.4$

$1.7 + (8.5)^2$

$(2.8)^2 \times 9.5$

$(1.7)^2 + 7.5$

$(4.5)^2 - 6.6$

$5.4 \times 8.6 + 4.3$

$7.1 \times 3.9 + 8.5$

Order of Operations with Decimals (G) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$1.25 \times \underline{(2.4)^2}$
$= \underline{1.25 \times 5.76}$
$= 7.2$

$\underline{2.3 \times 2.7} - 5.1$
$= \underline{6.21 - 5.1}$
$= 1.11$

$8.5 + \underline{(1.7)^2}$
$= \underline{8.5 + 2.89}$
$= 11.39$

$\underline{2.3 \times 4.6} + 6.4$
$= \underline{10.58 + 6.4}$
$= 16.98$

$1.7 + \underline{(8.5)^2}$
$= \underline{1.7 + 72.25}$
$= 73.95$

$\underline{(2.8)^2} \times 9.5$
$= \underline{7.84 \times 9.5}$
$= 74.48$

$\underline{(1.7)^2} + 7.5$
$= \underline{2.89 + 7.5}$
$= 10.39$

$\underline{(4.5)^2} - 6.6$
$= \underline{20.25 - 6.6}$
$= 13.65$

$\underline{5.4 \times 8.6} + 4.3$
$= \underline{46.44 + 4.3}$
$= 50.74$

$\underline{7.1 \times 3.9} + 8.5$
$= \underline{27.69 + 8.5}$
$= 36.19$

Order of Operations with Decimals (H)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$2.5 + 3.2 \times 4.6$

$(7.5)^2 + 7.9$

$(4.9 + 6.3) \times 4.2$

$6.9 \times (7.5 + 1.8)$

$(5.8)^2 - 7.9$

$1.4 \times 3.4 - 2.5$

$(9.4)^2 + 1.6$

$6.9 + 9.4 \times 2.8$

$3.75 + 2.1 \times 4.8$

$(6.6)^2 \div 3.3$

Order of Operations with Decimals (H) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$2.5 + \underline{3.2 \times 4.6}$
$= \underline{2.5 + 14.72}$
$= 17.22$

$\underline{(7.5)^2} + 7.9$
$= \underline{56.25 + 7.9}$
$= 64.15$

$(\underline{4.9 + 6.3}) \times 4.2$
$= \underline{11.2 \times 4.2}$
$= 47.04$

$6.9 \times (\underline{7.5 + 1.8})$
$= \underline{6.9 \times 9.3}$
$= 64.17$

$\underline{(5.8)^2} - 7.9$
$= \underline{33.64 - 7.9}$
$= 25.74$

$\underline{1.4 \times 3.4} - 2.5$
$= \underline{4.76 - 2.5}$
$= 2.26$

$\underline{(9.4)^2} + 1.6$
$= \underline{88.36 + 1.6}$
$= 89.96$

$6.9 + \underline{9.4 \times 2.8}$
$= \underline{6.9 + 26.32}$
$= 33.22$

$3.75 + \underline{2.1 \times 4.8}$
$= \underline{3.75 + 10.08}$
$= 13.83$

$\underline{(6.6)^2} \div 3.3$
$= \underline{43.56 \div 3.3}$
$= 13.2$

Order of Operations with Decimals (I)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(4.1)^2 + 5.9$

$6.8 \times 6.2 + 7.3$

$8.5 + 4.6 \times 1.8$

$(8.3 + 5.4) \times 6.9$

$(3.6)^2 \times 3.75$

$8.4 \div (4.8 - 1.8)$

$4.2 \times (2.1 + 7.9)$

$4.4 \times (5.6 + 1.6)$

$7.2 - (1.4)^2$

$(4.8 + 9.4) \times 3.9$

Order of Operations with Decimals (I) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(4.1)^2 + 5.9$
$= 16.81 + 5.9$
$= 22.71$

$6.8 \times 6.2 + 7.3$
$= 42.16 + 7.3$
$= 49.46$

$8.5 + 4.6 \times 1.8$
$= 8.5 + 8.28$
$= 16.78$

$(8.3 + 5.4) \times 6.9$
$= 13.7 \times 6.9$
$= 94.53$

$(3.6)^2 \times 3.75$
$= 12.96 \times 3.75$
$= 48.6$

$8.4 \div (4.8 - 1.8)$
$= 8.4 \div 3$
$= 2.8$

$4.2 \times (2.1 + 7.9)$
$= 4.2 \times 10$
$= 42$

$4.4 \times (5.6 + 1.6)$
$= 4.4 \times 7.2$
$= 31.68$

$7.2 - (1.4)^2$
$= 7.2 - 1.96$
$= 5.24$

$(4.8 + 9.4) \times 3.9$
$= 14.2 \times 3.9$
$= 55.38$

Order of Operations with Decimals (J)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(9.9)^2 - 1.8$

$8.5 + (1.8)^2$

$(6.8)^2 + 3.2$

$9.4 \times 1.6 + 3.5$

$5.1 \times (8.7 + 2.1)$

$(8.8)^2 + 3.6$

$8.4 + (1.4)^2$

$(3.2)^2 - 3.1$

$(4.2)^2 - 2.2$

$(1.8)^2 \times 4.5$

Order of Operations with Decimals (J) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(9.9)^2 - 1.8$
$= 98.01 - 1.8$
$= 96.21$

$8.5 + (1.8)^2$
$= 8.5 + 3.24$
$= 11.74$

$(6.8)^2 + 3.2$
$= 46.24 + 3.2$
$= 49.44$

$9.4 \times 1.6 + 3.5$
$= 15.04 + 3.5$
$= 18.54$

$5.1 \times (8.7 + 2.1)$
$= 5.1 \times 10.8$
$= 55.08$

$(8.8)^2 + 3.6$
$= 77.44 + 3.6$
$= 81.04$

$8.4 + (1.4)^2$
$= 8.4 + 1.96$
$= 10.36$

$(3.2)^2 - 3.1$
$= 10.24 - 3.1$
$= 7.14$

$(4.2)^2 - 2.2$
$= 17.64 - 2.2$
$= 15.44$

$(1.8)^2 \times 4.5$
$= 3.24 \times 4.5$
$= 14.58$