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.

$9{,}8 + (9{,}3)^2$
$= 9{,}8 + 86{,}49$
$= 96{,}29$

$(5{,}4)^2 \div 7{,}2$
$= 29{,}16 \div 7{,}2$
$= 4{,}05$

$5{,}6 \times 2{,}2 - 5{,}3$
$= 12{,}32 - 5{,}3$
$= 7{,}02$

$5{,}5 + 9{,}6 \times 2{,}5$
$= 5{,}5 + 24$
$= 29{,}5$

$7{,}7 + (6{,}9)^2$
$= 7{,}7 + 47{,}61$
$= 55{,}31$

$6{,}9 + (2{,}5)^2$
$= 6{,}9 + 6{,}25$
$= 13{,}15$

$2{,}7 + (1{,}5)^2$
$= 2{,}7 + 2{,}25$
$= 4{,}95$

$6{,}5 + (1{,}4)^2$
$= 6{,}5 + 1{,}96$
$= 8{,}46$

$2{,}8 \times (9{,}3 + 2{,}6)$
$= 2{,}8 \times 11{,}9$
$= 33{,}32$

$(4{,}2)^2 - 7{,}8$
$= 17{,}64 - 7{,}8$
$= 9{,}84$

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.

$7{,}9 - 1{,}9 \times 2{,}2$
$= 7{,}9 - 4{,}18$
$= 3{,}72$

$(8{,}6 + 1{,}4) \times 5{,}6$
$= 10 \times 5{,}6$
$= 56$

$4{,}1 + 8{,}7 \times 3{,}8$
$= 4{,}1 + 33{,}06$
$= 37{,}16$

$2{,}9 \times 4{,}8 + 7{,}1$
$= 13{,}92 + 7{,}1$
$= 21{,}02$

$8{,}2 \times (1{,}1 + 5{,}3)$
$= 8{,}2 \times 6{,}4$
$= 52{,}48$

$3{,}3 + (7{,}4)^2$
$= 3{,}3 + 54{,}76$
$= 58{,}06$

$(6{,}5 + 7{,}6) \times 4{,}7$
$= 14{,}1 \times 4{,}7$
$= 66{,}27$

$9{,}1 + (7{,}2)^2$
$= 9{,}1 + 51{,}84$
$= 60{,}94$

$(8{,}7 - 2{,}5) \times 4{,}8$
$= 6{,}2 \times 4{,}8$
$= 29{,}76$

$4{,}6 \times 1{,}1 + 1{,}8$
$= 5{,}06 + 1{,}8$
$= 6{,}86$

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.

$8{,}7 + (4{,}7)^2$
$= 8{,}7 + 22{,}09$
$= 30{,}79$

$(8{,}5)^2 + 6{,}2$
$= 72{,}25 + 6{,}2$
$= 78{,}45$

$2{,}6 \times (3{,}6 + 1{,}1)$
$= 2{,}6 \times 4{,}7$
$= 12{,}22$

$2{,}5 \times (2{,}8)^2$
$= 2{,}5 \times 7{,}84$
$= 19{,}6$

$(2{,}5)^2 - 4{,}5$
$= 6{,}25 - 4{,}5$
$= 1{,}75$

$4{,}5 \times 8{,}8 - 8{,}9$
$= 39{,}6 - 8{,}9$
$= 30{,}7$

$(8{,}5)^2 + 2{,}9$
$= 72{,}25 + 2{,}9$
$= 75{,}15$

$(4{,}5)^2 - 2{,}2$
$= 20{,}25 - 2{,}2$
$= 18{,}05$

$6{,}3 \times (2{,}2 + 6{,}8)$
$= 6{,}3 \times 9$
$= 56{,}7$

$2{,}8 \times (6{,}3 + 8{,}5)$
$= 2{,}8 \times 14{,}8$
$= 41{,}44$

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.

$1{,}25 \times (2{,}4)^2$
$= 1{,}25 \times 5{,}76$
$= 7{,}2$

$2{,}3 \times 2{,}7 - 5{,}1$
$= 6{,}21 - 5{,}1$
$= 1{,}11$

$8{,}5 + (1{,}7)^2$
$= 8{,}5 + 2{,}89$
$= 11{,}39$

$2{,}3 \times 4{,}6 + 6{,}4$
$= 10{,}58 + 6{,}4$
$= 16{,}98$

$1{,}7 + (8{,}5)^2$
$= 1{,}7 + 72{,}25$
$= 73{,}95$

$(2{,}8)^2 \times 9{,}5$
$= 7{,}84 \times 9{,}5$
$= 74{,}48$

$(1{,}7)^2 + 7{,}5$
$= 2{,}89 + 7{,}5$
$= 10{,}39$

$(4{,}5)^2 - 6{,}6$
$= 20{,}25 - 6{,}6$
$= 13{,}65$

$5{,}4 \times 8{,}6 + 4{,}3$
$= 46{,}44 + 4{,}3$
$= 50{,}74$

$7{,}1 \times 3{,}9 + 8{,}5$
$= 27{,}69 + 8{,}5$
$= 36{,}19$

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.

$2{,}5 + 3{,}2 \times 4{,}6$
$= 2{,}5 + 14{,}72$
$= 17{,}22$

$(7{,}5)^2 + 7{,}9$
$= 56{,}25 + 7{,}9$
$= 64{,}15$

$(4{,}9 + 6{,}3) \times 4{,}2$
$= 11{,}2 \times 4{,}2$
$= 47{,}04$

$6{,}9 \times (7{,}5 + 1{,}8)$
$= 6{,}9 \times 9{,}3$
$= 64{,}17$

$(5{,}8)^2 - 7{,}9$
$= 33{,}64 - 7{,}9$
$= 25{,}74$

$1{,}4 \times 3{,}4 - 2{,}5$
$= 4{,}76 - 2{,}5$
$= 2{,}26$

$(9{,}4)^2 + 1{,}6$
$= 88{,}36 + 1{,}6$
$= 89{,}96$

$6{,}9 + 9{,}4 \times 2{,}8$
$= 6{,}9 + 26{,}32$
$= 33{,}22$

$3{,}75 + 2{,}1 \times 4{,}8$
$= 3{,}75 + 10{,}08$
$= 13{,}83$

$(6{,}6)^2 \div 3{,}3$
$= 43{,}56 \div 3{,}3$
$= 13{,}2$

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.

$(9{,}9)^2 - 1{,}8$
$= 98{,}01 - 1{,}8$
$= 96{,}21$

$8{,}5 + (1{,}8)^2$
$= 8{,}5 + 3{,}24$
$= 11{,}74$

$(6{,}8)^2 + 3{,}2$
$= 46{,}24 + 3{,}2$
$= 49{,}44$

$9{,}4 \times 1{,}6 + 3{,}5$
$= 15{,}04 + 3{,}5$
$= 18{,}54$

$5{,}1 \times (8{,}7 + 2{,}1)$
$= 5{,}1 \times 10{,}8$
$= 55{,}08$

$(8{,}8)^2 + 3{,}6$
$= 77{,}44 + 3{,}6$
$= 81{,}04$

$8{,}4 + (1{,}4)^2$
$= 8{,}4 + 1{,}96$
$= 10{,}36$

$(3{,}2)^2 - 3{,}1$
$= 10{,}24 - 3{,}1$
$= 7{,}14$

$(4{,}2)^2 - 2{,}2$
$= 17{,}64 - 2{,}2$
$= 15{,}44$

$(1{,}8)^2 \times 4{,}5$
$= 3{,}24 \times 4{,}5$
$= 14{,}58$