Order of Operations with Decimals (A)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\left((-6{,}6) + (-9{,}2) - (-6{,}4)^2\right) \div 2{,}2$

$(-1{,}8)^2 + 2{,}5 \times ((-4{,}5) - (-7{,}7))$

$\left((-7{,}2)^2 - 6{,}4\right) \times (1{,}8 + (-0{,}8))$

$(9{,}5 - (-0{,}1)) \times (2{,}5)^2 + (-3{,}7)$

$\left((-4{,}1) + (-8{,}6) - (0{,}5)^2\right) \times 7{,}2$

$(7{,}5 + 3{,}2) \times (1{,}2 - 2{,}2)^2$

$\left(3{,}1 + (-7{,}3) - (0{,}5)^2\right) \times (-2{,}6)$

$\left(2{,}2 + (-0{,}6)^2 - 1{,}4\right) \times (-2{,}5)$

Order of Operations with Decimals (A) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\left((-6{,}6) + (-9{,}2) - (-6{,}4)^2\right) \div 2{,}2$

$= \left((-6{,}6) + (-9{,}2) - 40{,}96\right) \div 2{,}2$

$= \left((-15{,}8) - 40{,}96\right) \div 2{,}2$

$= (-56{,}76) \div 2{,}2$

$= -25{,}8$

$(-1{,}8)^2 + 2{,}5 \times \left((-4{,}5) - (-7{,}7)\right)$

$= (-1{,}8)^2 + 2{,}5 \times 3{,}2$

$= 3{,}24 + 2{,}5 \times 3{,}2$

$= 3{,}24 + 8$

$= 11{,}24$

$\left((-7{,}2)^2 - 6{,}4\right) \times (1{,}8 + (-0{,}8))$

$= \left(51{,}84 - 6{,}4\right) \times (1{,}8 + (-0{,}8))$

$= 45{,}44 \times \left(1{,}8 + (-0{,}8)\right)$

$= 45{,}44 \times 1$

$= 45{,}44$

$\left(9{,}5 - (-0{,}1)\right) \times (2{,}5)^2 + (-3{,}7)$

$= 9{,}6 \times (2{,}5)^2 + (-3{,}7)$

$= 9{,}6 \times 6{,}25 + (-3{,}7)$

$= 60 + (-3{,}7)$

$= 56{,}3$

$\left((-4{,}1) + (-8{,}6) - (0{,}5)^2\right) \times 7{,}2$

$= \left((-4{,}1) + (-8{,}6) - 0{,}25\right) \times 7{,}2$

$= \left((-12{,}7) - 0{,}25\right) \times 7{,}2$

$= (-12{,}95) \times 7{,}2$

$= -93{,}24$

$\left(7{,}5 + 3{,}2\right) \times (1{,}2 - 2{,}2)^2$

$= 10{,}7 \times \left(1{,}2 - 2{,}2\right)^2$

$= 10{,}7 \times (-1)^2$

$= 10{,}7 \times 1$

$= 10{,}7$

$\left(3{,}1 + (-7{,}3) - (0{,}5)^2\right) \times (-2{,}6)$

$= \left(3{,}1 + (-7{,}3) - 0{,}25\right) \times (-2{,}6)$

$= \left((-4{,}2) - 0{,}25\right) \times (-2{,}6)$

$= (-4{,}45) \times (-2{,}6)$

$= 11{,}57$

$\left(2{,}2 + (-0{,}6)^2 - 1{,}4\right) \times (-2{,}5)$

$= \left(2{,}2 + 0{,}36 - 1{,}4\right) \times (-2{,}5)$

$= \left(2{,}56 - 1{,}4\right) \times (-2{,}5)$

$= 1{,}16 \times (-2{,}5)$

$= -2{,}9$