Order of Operations with Decimals (G)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\left((-7{,}5) \times (2{,}8)^2\right) \div 1{,}25 + 6{,}4 - 9{,}6 - (-2{,}5)$

$\left((1{,}8)^2 \div (-1{,}8)\right) \times (-9{,}1) - (6{,}3)^2 + 4{,}3$

$((-2{,}1) + 2{,}1) \div 8{,}8 \times (7{,}3)^2 - (-2{,}2)^2$

Order of Operations with Decimals (G) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\left((-7{,}5) \times \underline{(2{,}8)^2}\right) \div 1{,}25 + 6{,}4 - 9{,}6 - (-2{,}5)$

$= \left(\underline{(-7{,}5) \times 7{,}84}\right) \div 1{,}25 + 6{,}4 - 9{,}6 - (-2{,}5)$

$= \underline{(-58{,}8) \div 1{,}25} + 6{,}4 - 9{,}6 - (-2{,}5)$

$= \underline{(-47{,}04) + 6{,}4} - 9{,}6 - (-2{,}5)$

$= \underline{(-40{,}64) - 9{,}6} - (-2{,}5)$

$= \underline{(-50{,}24) - (-2{,}5)}$

$= -47{,}74$

$\left(\underline{(1{,}8)^2} \div (-1{,}8)\right) \times (-9{,}1) - (6{,}3)^2 + 4{,}3$

$= \left(\underline{3{,}24 \div (-1{,}8)}\right) \times (-9{,}1) - (6{,}3)^2 + 4{,}3$

$= (-1{,}8) \times (-9{,}1) - \underline{(6{,}3)^2} + 4{,}3$

$= \underline{(-1{,}8) \times (-9{,}1)} - 39{,}69 + 4{,}3$

$= \underline{16{,}38 - 39{,}69} + 4{,}3$

$= \underline{(-23{,}31) + 4{,}3}$

$= -19{,}01$

$\left(\underline{(-2{,}1) + 2{,}1}\right) \div 8{,}8 \times (7{,}3)^2 - (-2{,}2)^2$

$= 0 \div 8{,}8 \times \underline{(7{,}3)^2} - (-2{,}2)^2$

$= 0 \div 8{,}8 \times 53{,}29 - \underline{(-2{,}2)^2}$

$= \underline{0 \div 8{,}8} \times 53{,}29 - 4{,}84$

$= \underline{0 \times 53{,}29} - 4{,}84$

$= \underline{0 - 4{,}84}$

$= -4{,}84$