Order of Operations with Decimals (A)

Name: _____

Solve 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: _____

Solve each expression using the correct order of operations.

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

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

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

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

$= -25,8$

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

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

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

$= \underline{3,24 + 8}$

$= 11,24$

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

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

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

$= \underline{45,44 \times 1}$

$= 45,44$

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

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

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

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

$= 56,3$

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

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

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

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

$= -93,24$

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

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

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

$= \underline{10,7 \times 1}$

$= 10,7$

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

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

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

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

$= 11,57$

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

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

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

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

$= -2,9$

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Order of Operations with Decimals (B)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

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

$\left((-3{,}7)^2 - 8{,}8\right) \times ((-6{,}8) + (-1{,}2))$

$(-7{,}3) + (9{,}4)^2 \div (4{,}7 \times 1{,}6)$

$((-0{,}5) + (-1{,}7) - (-9{,}9))^2 \div (-1{,}4)$

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

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

$0{,}4 - (-1{,}7) \times ((-3{,}6) + 1{,}6)^3$

Order of Operations with Decimals (B) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

$= 5{,}2 \times (0{,}25 + 9{,}7 - 2{,}7)$

$= 5{,}2 \times (9{,}95 - 2{,}7)$

$= 5{,}2 \times 7{,}25$

$= 37{,}7$

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

$= \left(5{,}76 \div (-1{,}6) + 8{,}8\right) \times (-1{,}9)$

$= \left((-3{,}6) + 8{,}8\right) \times (-1{,}9)$

$= 5{,}2 \times (-1{,}9)$

$= -9{,}88$

$\left((-3{,}7)^2 - 8{,}8\right) \times ((-6{,}8) + (-1{,}2))$

$= (13{,}69 - 8{,}8) \times ((-6{,}8) + (-1{,}2))$

$= 4{,}89 \times \left((-6{,}8) + (-1{,}2)\right)$

$= 4{,}89 \times (-8)$

$= -39{,}12$

$(-7{,}3) + (9{,}4)^2 \div (4{,}7 \times 1{,}6)$

$= (-7{,}3) + (9{,}4)^2 \div 7{,}52$

$= (-7{,}3) + 88{,}36 \div 7{,}52$

$= (-7{,}3) + 11{,}75$

$= 4{,}45$

$\left((-0{,}5) + (-1{,}7) - (-9{,}9)\right)^2 \div (-1{,}4)$

$= \left((-2{,}2) - (-9{,}9)\right)^2 \div (-1{,}4)$

$= (7{,}7)^2 \div (-1{,}4)$

$= 59{,}29 \div (-1{,}4)$

$= -42{,}35$

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

$= 5 \times \left((-6{,}8) - (-2{,}7)\right)^2$

$= 5 \times (-4{,}1)^2$

$= 5 \times 16{,}81$

$= 84{,}05$

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

$= 2{,}8 \times \left(6{,}25 + 9{,}6 \div (-6{,}4)\right)$

$= 2{,}8 \times \left(6{,}25 + (-1{,}5)\right)$

$= 2{,}8 \times 4{,}75$

$= 13{,}3$

$0{,}4 - (-1{,}7) \times \left((-3{,}6) + 1{,}6\right)^3$

$= 0{,}4 - (-1{,}7) \times (-2)^3$

$= 0{,}4 - (-1{,}7) \times (-8)$

$= 0{,}4 - 13{,}6$

$= -13{,}2$

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$(6,9 - (-8,1)) \times ((-6,9) + 5,6)^2$

$(7,9 - (-8,9) + (-2,2)) \times (-1,5)^2$

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

$((-6,4) - (-8,2)) \times (-5,1) + (0,3)^2$

$\left((2,5)^2 - 9,8\right) \times (6,9 + 1,5)$

$9,6 \times ((-9,6) - (-1,8) + 7,3)^2$

$(-8,3)^2 - 4,4 \times ((-1,7) + 0,2)$

$(-2,9)^2 + 6,8 \times ((-8,6) - 2,1)$

Order of Operations with Decimals (C) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

$= 15 \times \left(\underline{(-6{,}9) + 5{,}6}\right)^2$

$= 15 \times \underline{(-1{,}3)^2}$

$= \underline{15 \times 1{,}69}$

$= 25{,}35$

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

$= \left(\underline{16{,}8 + (-2{,}2)}\right) \times (-1{,}5)^2$

$= 14{,}6 \times \underline{(-1{,}5)^2}$

$= \underline{14{,}6 \times 2{,}25}$

$= 32{,}85$

$(-2{,}2) - (9{,}2)^2 \div \left(\underline{(-6{,}4) \times 2{,}5}\right)$

$= (-2{,}2) - \underline{(9{,}2)^2} \div (-16)$

$= (-2{,}2) - \underline{84{,}64 \div (-16)}$

$= \underline{(-2{,}2) - (-5{,}29)}$

$= 3{,}09$

$\left(\underline{(-6{,}4) - (-8{,}2)}\right) \times (-5{,}1) + (0{,}3)^2$

$= 1{,}8 \times (-5{,}1) + \underline{(0{,}3)^2}$

$= \underline{1{,}8 \times (-5{,}1)} + 0{,}09$

$= \underline{(-9{,}18) + 0{,}09}$

$= -9{,}09$

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

$= \left(\underline{6{,}25 - 9{,}8}\right) \times (6{,}9 + 1{,}5)$

$= (-3{,}55) \times \underline{(6{,}9 + 1{,}5)}$

$= \underline{(-3{,}55) \times 8{,}4}$

$= -29{,}82$

$9{,}6 \times \left(\underline{(-9{,}6) - (-1{,}8)} + 7{,}3\right)^2$

$= 9{,}6 \times \left(\underline{(-7{,}8) + 7{,}3}\right)^2$

$= 9{,}6 \times \underline{(-0{,}5)^2}$

$= \underline{9{,}6 \times 0{,}25}$

$= 2{,}4$

$(-8{,}3)^2 - 4{,}4 \times \left(\underline{(-1{,}7) + 0{,}2}\right)$

$= \underline{(-8{,}3)^2} - 4{,}4 \times (-1{,}5)$

$= 68{,}89 - \underline{4{,}4 \times (-1{,}5)}$

$= \underline{68{,}89 - (-6{,}6)}$

$= 75{,}49$

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

$= \underline{(-2{,}9)^2} + 6{,}8 \times (-10{,}7)$

$= 8{,}41 + \underline{6{,}8 \times (-10{,}7)}$

$= \underline{8{,}41 + (-72{,}76)}$

$= -64{,}35$

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$(-9{,}6) \times ((-0{,}5) - 1{,}6 + 4{,}1)^3$

$(-1{,}5) \times \left((-2{,}8)^2 - 9{,}2 + 3{,}6\right)$

$(2{,}7 + 2{,}5)^2 \div 0{,}8 - (-9{,}9)$

$\left((4{,}2)^2 - (-8{,}4) \div (-3{,}5)\right) \times 4{,}5$

$(-9{,}6) \div ((-2{,}6) - (-3{,}3) + (-2{,}7))^2$

$(5{,}2 - 5{,}8)^2 \div (6{,}8 + (-3{,}8))$

$(7{,}4)^2 + 2{,}3 \div ((-3{,}4) - (-5{,}7))$

$(3{,}5)^2 - 7{,}2 \times ((-0{,}4) + (-1{,}9))$

Order of Operations with Decimals (D) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$(-9{,}6) \times \left((-0{,}5) - 1{,}6 + 4{,}1\right)^3$

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

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

$= \underline{(-9{,}6) \times 8}$

$= -76{,}8$

$(-1{,}5) \times \left(\underline{(-2{,}8)^2} - 9{,}2 + 3{,}6\right)$

$= (-1{,}5) \times \left(\underline{7{,}84 - 9{,}2} + 3{,}6\right)$

$= (-1{,}5) \times \left(\underline{(-1{,}36) + 3{,}6}\right)$

$= \underline{(-1{,}5) \times 2{,}24}$

$= -3{,}36$

$\left(\underline{2{,}7 + 2{,}5}\right)^2 \div 0{,}8 - (-9{,}9)$

$= \underline{(5{,}2)^2} \div 0{,}8 - (-9{,}9)$

$= \underline{27{,}04 \div 0{,}8} - (-9{,}9)$

$= \underline{33{,}8 - (-9{,}9)}$

$= 43{,}7$

$\left(\underline{(4{,}2)^2} - (-8{,}4) \div (-3{,}5)\right) \times 4{,}5$

$= \left(17{,}64 - \underline{(-8{,}4) \div (-3{,}5)}\right) \times 4{,}5$

$= \underline{(17{,}64 - 2{,}4)} \times 4{,}5$

$= \underline{15{,}24 \times 4{,}5}$

$= 68{,}58$

$(-9{,}6) \div \left(\underline{(-2{,}6) - (-3{,}3)} + (-2{,}7)\right)^2$

$= (-9{,}6) \div \left(\underline{0{,}7 + (-2{,}7)}\right)^2$

$= (-9{,}6) \div \underline{(-2)^2}$

$= \underline{(-9{,}6) \div 4}$

$= -2{,}4$

$\left(\underline{5{,}2 - 5{,}8}\right)^2 \div (6{,}8 + (-3{,}8))$

$= (-0{,}6)^2 \div \left(\underline{6{,}8 + (-3{,}8)}\right)$

$= \underline{(-0{,}6)^2} \div 3$

$= \underline{0{,}36 \div 3}$

$= 0{,}12$

$(7{,}4)^2 + 2{,}3 \div \left(\underline{(-3{,}4) - (-5{,}7)}\right)$

$= \underline{(7{,}4)^2} + 2{,}3 \div 2{,}3$

$= 54{,}76 + \underline{2{,}3 \div 2{,}3}$

$= \underline{54{,}76 + 1}$

$= 55{,}76$

$(3{,}5)^2 - 7{,}2 \times \left(\underline{(-0{,}4) + (-1{,}9)}\right)$

$= \underline{(3{,}5)^2} - 7{,}2 \times (-2{,}3)$

$= 12{,}25 - \underline{7{,}2 \times (-2{,}3)}$

$= \underline{12{,}25 - (-16{,}56)}$

$= 28{,}81$

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Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

$((-0{,}1) + (-8{,}3)) \div (-2{,}5) - (1{,}4)^2$

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

$((-3{,}8) - (-8{,}3) + (-3{,}5)) \times (-4{,}6)^2$

$(6{,}4 + (-3{,}9) - 2{,}5)^2 \times (-2{,}8)$

$(4{,}3)^2 + (-4{,}8) \times (4{,}4 - 5{,}2)$

$(-8{,}2) \times ((-3{,}4) - (-1{,}9) + 2{,}5)^2$

$(0{,}5 \times 9{,}4)^2 \div 4{,}7 - 5{,}4$

Order of Operations with Decimals (E) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

$= \left(20{,}25 + (-7{,}8) - 8{,}4\right) \times (-5{,}2)$

$= (12{,}45 - 8{,}4) \times (-5{,}2)$

$= 4{,}05 \times (-5{,}2)$

$= -21{,}06$

$\left((-0{,}1) + (-8{,}3)\right) \div (-2{,}5) - (1{,}4)^2$

$= (-8{,}4) \div (-2{,}5) - (1{,}4)^2$

$= (-8{,}4) \div (-2{,}5) - 1{,}96$

$= 3{,}36 - 1{,}96$

$= 1{,}4$

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

$= (2{,}5)^2 \times \left((-12{,}2) + (-0{,}8)\right)$

$= (2{,}5)^2 \times (-13)$

$= 6{,}25 \times (-13)$

$= -81{,}25$

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

$= \left(4{,}5 + (-3{,}5)\right) \times (-4{,}6)^2$

$= 1 \times (-4{,}6)^2$

$= 1 \times 21{,}16$

$= 21{,}16$

$\left(6{,}4 + (-3{,}9) - 2{,}5\right)^2 \times (-2{,}8)$

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

$= 0^2 \times (-2{,}8)$

$= 0 \times (-2{,}8)$

$= 0$

$(4{,}3)^2 + (-4{,}8) \times (4{,}4 - 5{,}2)$

$= (4{,}3)^2 + (-4{,}8) \times (-0{,}8)$

$= 18{,}49 + (-4{,}8) \times (-0{,}8)$

$= 18{,}49 + 3{,}84$

$= 22{,}33$

$(-8{,}2) \times \left((-3{,}4) - (-1{,}9) + 2{,}5\right)^2$

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

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

$= (-8{,}2) \times 1$

$= -8{,}2$

$\left(0{,}5 \times 9{,}4\right)^2 \div 4{,}7 - 5{,}4$

$= (4{,}7)^2 \div 4{,}7 - 5{,}4$

$= 22{,}09 \div 4{,}7 - 5{,}4$

$= 4{,}7 - 5{,}4$

$= -0{,}7$

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Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

$(-0{,}8)^2 - 4{,}1 \times ((-0{,}6) \div 0{,}1)$

$(-5{,}5)^2 + (-4{,}3) \times ((-7{,}1) - (-3{,}9))$

$\left((-7{,}5)^2 - (-9{,}9)\right) \times (-0{,}8) + 5{,}1$

$(2{,}5)^2 \times ((-3{,}3) + 3{,}3 - (-9{,}8))$

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

$((-3{,}8) - 4{,}4) \times (-0{,}5)^2 + (-6{,}8)$

$9{,}6 \times (((-6{,}7) + 6{,}9) \div (-0{,}2))^2$

Order of Operations with Decimals (F) Answers

Name: _____

Solve each expression using the correct order of operations.

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

$= 2,8 \times \left(12,25 - 2,7 + 5,4 \right)$

$= 2,8 \times \left(9,55 + 5,4 \right)$

$= 2,8 \times 14,95$

$= 41,86$

$(-0,8)^2 - 4,1 \times \left((-0,6) \div 0,1 \right)$

$= (-0,8)^2 - 4,1 \times (-6)$

$= 0,64 - 4,1 \times (-6)$

$= 0,64 - (-24,6)$

$= 25,24$

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

$= (-5,5)^2 + (-4,3) \times (-3,2)$

$= 30,25 + (-4,3) \times (-3,2)$

$= 30,25 + 13,76$

$= 44,01$

$\left((-7,5)^2 - (-9,9) \right) \times (-0,8) + 5,1$

$= \left(56,25 - (-9,9) \right) \times (-0,8) + 5,1$

$= 66,15 \times (-0,8) + 5,1$

$= (-52,92) + 5,1$

$= -47,82$

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

$= (2,5)^2 \times \left(0 - (-9,8) \right)$

$= (2,5)^2 \times 9,8$

$= 6,25 \times 9,8$

$= 61,25$

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

$= (3,9)^2 - (-3,9) \times 1,8$

$= 15,21 - (-3,9) \times 1,8$

$= 15,21 - (-7,02)$

$= 22,23$

$\left((-3,8) - 4,4 \right) \times (-0,5)^2 + (-6,8)$

$= (-8,2) \times (-0,5)^2 + (-6,8)$

$= (-8,2) \times 0,25 + (-6,8)$

$= (-2,05) + (-6,8)$

$= -8,85$

$9,6 \times \left(\left((-6,7) + 6,9 \right) \div (-0,2) \right)^2$

$= 9,6 \times \left(0,2 \div (-0,2) \right)^2$

$= 9,6 \times (-1)^2$

$= 9,6 \times 1$

$= 9,6$

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

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

$(4,9)^2 + 5,1 \times (9,2 - 0,5)$

$(-7,2) \div ((-7,4) - 3,1 + 9,7)^2$

$\left((-2,2)^2 - 1,6 \times (-6,5)\right) \div (-1,2)$

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

$(3,6 - (-5,9) + (-8,5)) \times (-1,6)^2$

$(-7,5) - 1,3 \div (0,9 + (-1,1))^2$

Order of Operations with Decimals (G) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$3{,}4 \times \left(\underline{8{,}5 + (-4{,}2)} - 2{,}3 \right)^2$

$= 3{,}4 \times \left(\underline{4{,}3 - 2{,}3} \right)^2$

$= 3{,}4 \times \underline{2^2}$

$= \underline{3{,}4 \times 4}$

$= 13{,}6$

$2{,}4 - (-8{,}4)^2 \div \left(\underline{(-5{,}4) + (-3{,}6)} \right)$

$= 2{,}4 - \underline{(-8{,}4)^2} \div (-9)$

$= 2{,}4 - \underline{70{,}56 \div (-9)}$

$= \underline{2{,}4 - (-7{,}84)}$

$= 10{,}24$

$(4{,}9)^2 + 5{,}1 \times \left(\underline{9{,}2 - 0{,}5} \right)$

$= \underline{(4{,}9)^2} + 5{,}1 \times 8{,}7$

$= 24{,}01 + \underline{5{,}1 \times 8{,}7}$

$= \underline{24{,}01 + 44{,}37}$

$= 68{,}38$

$(-7{,}2) \div \left(\underline{(-7{,}4) - 3{,}1} + 9{,}7 \right)^2$

$= (-7{,}2) \div \left(\underline{(-10{,}5) + 9{,}7} \right)^2$

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

$= \underline{(-7{,}2) \div 0{,}64}$

$= -11{,}25$

$\left(\underline{(-2{,}2)^2} - 1{,}6 \times (-6{,}5) \right) \div (-1{,}2)$

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

$= \left(\underline{4{,}84 - (-10{,}4)} \right) \div (-1{,}2)$

$= \underline{15{,}24 \div (-1{,}2)}$

$= -12{,}7$

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

$= (-7{,}5) \times \left(\underline{(-6{,}5) + 0{,}04} - 5{,}8 \right)$

$= (-7{,}5) \times \left(\underline{(-6{,}46) - 5{,}8} \right)$

$= \underline{(-7{,}5) \times (-12{,}26)}$

$= 91{,}95$

$\left(\underline{3{,}6 - (-5{,}9)} + (-8{,}5) \right) \times (-1{,}6)^2$

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

$= 1 \times \underline{(-1{,}6)^2}$

$= \underline{1 \times 2{,}56}$

$= 2{,}56$

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

$= (-7{,}5) - 1{,}3 \div \underline{(-0{,}2)^2}$

$= (-7{,}5) - \underline{1{,}3 \div 0{,}04}$

$= \underline{(-7{,}5) - 32{,}5}$

$= -40$

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Name: _____

Date: _____

Solve each expression using the correct order of operations.

$\left((-1,6)^2 - 1,8\right) \div (-0,4) \times (-8,5)$

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

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

$(9,6 - 6,9) \times (-1,7) + (6,2)^2$

$(-3,7) \times ((-7,3) + (-1,6) - (-6,9))^2$

$((-5,5) + (-3,7) - 7,8) \times (-0,3)^2$

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

$0,4 \times ((1,4 + (-1,4)) \div (-9,4))^3$

Order of Operations with Decimals (H) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

$= (2{,}56 - 1{,}8) \div (-0{,}4) \times (-8{,}5)$

$= 0{,}76 \div (-0{,}4) \times (-8{,}5)$

$= (-1{,}9) \times (-8{,}5)$

$= 16{,}15$

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

$= (-6{,}9)^2 + 7{,}5 \times 6{,}1$

$= 47{,}61 + 7{,}5 \times 6{,}1$

$= 47{,}61 + 45{,}75$

$= 93{,}36$

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

$= 11{,}2 \times (-4{,}7) + (-3{,}3)^2$

$= 11{,}2 \times (-4{,}7) + 10{,}89$

$= (-52{,}64) + 10{,}89$

$= -41{,}75$

$(9{,}6 - 6{,}9) \times (-1{,}7) + (6{,}2)^2$

$= 2{,}7 \times (-1{,}7) + (6{,}2)^2$

$= 2{,}7 \times (-1{,}7) + 38{,}44$

$= (-4{,}59) + 38{,}44$

$= 33{,}85$

$(-3{,}7) \times \left((-7{,}3) + (-1{,}6) - (-6{,}9)\right)^2$

$= (-3{,}7) \times \left((-8{,}9) - (-6{,}9)\right)^2$

$= (-3{,}7) \times (-2)^2$

$= (-3{,}7) \times 4$

$= -14{,}8$

$\left((-5{,}5) + (-3{,}7) - 7{,}8\right) \times (-0{,}3)^2$

$= \left((-9{,}2) - 7{,}8\right) \times (-0{,}3)^2$

$= (-17) \times (-0{,}3)^2$

$= (-17) \times 0{,}09$

$= -1{,}53$

$(-1{,}5) \times \left((-9{,}6) + (-3{,}1) - (1{,}8)^2\right)$

$= (-1{,}5) \times \left((-9{,}6) + (-3{,}1) - 3{,}24\right)$

$= (-1{,}5) \times \left((-12{,}7) - 3{,}24\right)$

$= (-1{,}5) \times (-15{,}94)$

$= 23{,}91$

$0{,}4 \times \left(\left(1{,}4 + (-1{,}4)\right) \div (-9{,}4)\right)^3$

$= 0{,}4 \times \left(0 \div (-9{,}4)\right)^3$

$= 0{,}4 \times 0^3$

$= 0{,}4 \times 0$

$= 0$

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Order of Operations with Decimals (I)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$3{,}5 \times \left((-7{,}4) - 4{,}5 + (-4{,}4)^2 \right)$

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

$6{,}6 + 3{,}7 \div (3{,}3 - 4{,}3)^3$

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

$((-5{,}2) - (-4{,}9)) \div 2{,}5 + (-9{,}5)^2$

$(-2{,}4) \times (8{,}1 + (-8{,}9) - 5{,}2)^2$

$(3{,}8 - (-3{,}9))^2 \div (4{,}7 + (-5{,}8))$

$((-2{,}5) + 2{,}9) \times (3{,}5 - 4{,}5)^3$

Order of Operations with Decimals (I) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$3{,}5 \times \left((-7{,}4) - 4{,}5 + \underline{(-4{,}4)^2}\right)$

$= 3{,}5 \times \left(\underline{(-7{,}4) - 4{,}5} + 19{,}36\right)$

$= 3{,}5 \times \left(\underline{(-11{,}9) + 19{,}36}\right)$

$= \underline{3{,}5 \times 7{,}46}$

$= 26{,}11$

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

$= 0{,}5 \times \left(\underline{(-8{,}1) - 4{,}4} + 0{,}16\right)$

$= 0{,}5 \times \left(\underline{(-12{,}5) + 0{,}16}\right)$

$= \underline{0{,}5 \times (-12{,}34)}$

$= -6{,}17$

$6{,}6 + 3{,}7 \div \left(\underline{3{,}3 - 4{,}3}\right)^3$

$= 6{,}6 + 3{,}7 \div \underline{(-1)^3}$

$= 6{,}6 + \underline{3{,}7 \div (-1)}$

$= \underline{6{,}6 + (-3{,}7)}$

$= 2{,}9$

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

$= \underline{(5{,}4)^2} - 7{,}8 \times (-5{,}8)$

$= 29{,}16 - \underline{7{,}8 \times (-5{,}8)}$

$= \underline{29{,}16 - (-45{,}24)}$

$= 74{,}4$

$\left(\underline{(-5{,}2) - (-4{,}9)}\right) \div 2{,}5 + (-9{,}5)^2$

$= (-0{,}3) \div 2{,}5 + \underline{(-9{,}5)^2}$

$= \underline{(-0{,}3) \div 2{,}5} + 90{,}25$

$= \underline{(-0{,}12) + 90{,}25}$

$= 90{,}13$

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

$= (-2{,}4) \times \left(\underline{(-0{,}8) - 5{,}2}\right)^2$

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

$= \underline{(-2{,}4) \times 36}$

$= -86{,}4$

$\left(\underline{3{,}8 - (-3{,}9)}\right)^2 \div (4{,}7 + (-5{,}8))$

$= (7{,}7)^2 \div \left(\underline{4{,}7 + (-5{,}8)}\right)$

$= \underline{(7{,}7)^2} \div (-1{,}1)$

$= \underline{59{,}29 \div (-1{,}1)}$

$= -53{,}9$

$\left(\underline{(-2{,}5) + 2{,}9}\right) \times (3{,}5 - 4{,}5)^3$

$= 0{,}4 \times \left(\underline{3{,}5 - 4{,}5}\right)^3$

$= 0{,}4 \times \underline{(-1)^3}$

$= \underline{0{,}4 \times (-1)}$

$= -0{,}4$

Order of Operations with Decimals (J)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

$$((-8{,}1) - (-9{,}1))^3 \times 0{,}2 + 5{,}1$$

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

$$7{,}4 \times \left(0{,}9 + 8{,}7 - (-2{,}5)^2\right)$$

$$(6{,}3 \times 0{,}4) \div (-0{,}2) - (2{,}1)^2$$

$$\left(1{,}5 - (-2{,}7)^2\right) \times (8{,}3 + (-5{,}3))$$

$$\left(8{,}3 + (-4{,}4)^2\right) \div (-0{,}5) - (-4{,}6)$$

$$((-0{,}8) + (-3{,}9) - (-1{,}1))^2 \times 2{,}5$$

Order of Operations with Decimals (J) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

$= \left(\underline{(-7{,}2) + (-3{,}9)} - 6{,}25\right) \times (-5{,}2)$

$= \left(\underline{(-11{,}1) - 6{,}25}\right) \times (-5{,}2)$

$= \underline{(-17{,}35) \times (-5{,}2)}$

$= 90{,}22$

$\left(\underline{(-8{,}1) - (-9{,}1)}\right)^3 \times 0{,}2 + 5{,}1$

$= \underline{1^3} \times 0{,}2 + 5{,}1$

$= \underline{1 \times 0{,}2} + 5{,}1$

$= \underline{0{,}2 + 5{,}1}$

$= 5{,}3$

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

$= (-3{,}5) \times \left(\underline{2{,}5 - (-6{,}1)} + 6{,}76\right)$

$= (-3{,}5) \times \left(\underline{8{,}6 + 6{,}76}\right)$

$= \underline{(-3{,}5) \times 15{,}36}$

$= -53{,}76$

$7{,}4 \times \left(0{,}9 + 8{,}7 - \underline{(-2{,}5)^2}\right)$

$= 7{,}4 \times \left(\underline{0{,}9 + 8{,}7} - 6{,}25\right)$

$= 7{,}4 \times \left(\underline{9{,}6 - 6{,}25}\right)$

$= \underline{7{,}4 \times 3{,}35}$

$= 24{,}79$

$\underline{(6{,}3 \times 0{,}4)} \div (-0{,}2) - (2{,}1)^2$

$= 2{,}52 \div (-0{,}2) - \underline{(2{,}1)^2}$

$= \underline{2{,}52 \div (-0{,}2)} - 4{,}41$

$= \underline{(-12{,}6) - 4{,}41}$

$= -17{,}01$

$\left(1{,}5 - \underline{(-2{,}7)^2}\right) \times (8{,}3 + (-5{,}3))$

$= \left(\underline{1{,}5 - 7{,}29}\right) \times (8{,}3 + (-5{,}3))$

$= (-5{,}79) \times \left(\underline{8{,}3 + (-5{,}3)}\right)$

$= \underline{(-5{,}79) \times 3}$

$= -17{,}37$

$\left(8{,}3 + \underline{(-4{,}4)^2}\right) \div (-0{,}5) - (-4{,}6)$

$= \left(\underline{8{,}3 + 19{,}36}\right) \div (-0{,}5) - (-4{,}6)$

$= \underline{27{,}66 \div (-0{,}5)} - (-4{,}6)$

$= \underline{(-55{,}32) - (-4{,}6)}$

$= -50{,}72$

$\left(\underline{(-0{,}8) + (-3{,}9)} - (-1{,}1)\right)^2 \times 2{,}5$

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

$= \underline{(-3{,}6)^2} \times 2{,}5$

$= \underline{12{,}96 \times 2{,}5}$

$= 32{,}4$