| Order of Operations with Decimals (G) |

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$3.3 \times (9.4 - 7.9) \div 1.1 + 7.8 + (3.1)^2$

$\left(7.3 \div (3.3 - 2.3)^3\right) \times 8.1 + 1.6 - 6.6$

$(9.3 - 8.3) \div 2.5 \times 2.2 + (9.2)^2 - 4.1$

$9.1 + 4.8 \times \left((8.3 - 3.5)^2 \div (5.1 + 7.7)\right)$

$\left((6.3 - 4.7)^2 \div 0.2\right) \times 4.9 + (0.4)^2$

$\left((8.9 - 7.4)^2 \times 9.2\right) \div (1.1 + 4.3 + 2.1)$

Order of Operations with Decimals (G) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$3.3 \times (\underline{9.4 - 7.9}) \div 1.1 + 7.8 + (3.1)^2$

$= 3.3 \times 1.5 \div 1.1 + 7.8 + \underline{(3.1)^2}$

$= \underline{3.3 \times 1.5} \div 1.1 + 7.8 + 9.61$

$= \underline{4.95 \div 1.1} + 7.8 + 9.61$

$= \underline{4.5 + 7.8} + 9.61$

$= \underline{12.3 + 9.61}$

$= 21.91$

$\left(7.3 \div (\underline{3.3 - 2.3})^3\right) \times 8.1 + 1.6 - 6.6$

$= \left(7.3 \div \underline{1^3}\right) \times 8.1 + 1.6 - 6.6$

$= \left(\underline{7.3 \div 1}\right) \times 8.1 + 1.6 - 6.6$

$= \underline{7.3 \times 8.1} + 1.6 - 6.6$

$= \underline{59.13 + 1.6} - 6.6$

$= \underline{60.73 - 6.6}$

$= 54.13$

$(\underline{9.3 - 8.3}) \div 2.5 \times 2.2 + (9.2)^2 - 4.1$

$= 1 \div 2.5 \times 2.2 + \underline{(9.2)^2} - 4.1$

$= \underline{1 \div 2.5} \times 2.2 + 84.64 - 4.1$

$= \underline{0.4 \times 2.2} + 84.64 - 4.1$

$= \underline{0.88 + 84.64} - 4.1$

$= \underline{85.52 - 4.1}$

$= 81.42$

$9.1 + 4.8 \times \left((\underline{8.3 - 3.5})^2 \div (5.1 + 7.7)\right)$

$= 9.1 + 4.8 \times \left((4.8)^2 \div (\underline{5.1 + 7.7})\right)$

$= 9.1 + 4.8 \times \left(\underline{(4.8)^2} \div 12.8\right)$

$= 9.1 + 4.8 \times \left(\underline{23.04 \div 12.8}\right)$

$= 9.1 + \underline{4.8 \times 1.8}$

$= \underline{9.1 + 8.64}$

$= 17.74$

$\left((\underline{6.3 - 4.7})^2 \div 0.2\right) \times 4.9 + (0.4)^2$

$= \left(\underline{(1.6)^2} \div 0.2\right) \times 4.9 + (0.4)^2$

$= \left(\underline{2.56 \div 0.2}\right) \times 4.9 + (0.4)^2$

$= 12.8 \times 4.9 + \underline{(0.4)^2}$

$= \underline{12.8 \times 4.9} + 0.16$

$= \underline{62.72 + 0.16}$

$= 62.88$

$\left((\underline{8.9 - 7.4})^2 \times 9.2\right) \div (1.1 + 4.3 + 2.1)$

$= \left(\underline{(1.5)^2} \times 9.2\right) \div (1.1 + 4.3 + 2.1)$

$= \left(\underline{2.25 \times 9.2}\right) \div (1.1 + 4.3 + 2.1)$

$= 20.7 \div (\underline{1.1 + 4.3} + 2.1)$

$= 20.7 \div (\underline{5.4 + 2.1})$

$= \underline{20.7 \div 7.5}$

$= 2.76$

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