Name: _____

Date: _____

Solve each expression using the correct order of operations.

$(1.6 \div 1.25) \times (6.5 + 6.6 - 9.1)^2$

$\left((3.6)^2 \div 1.6 - 4.2\right) \times 6.9 + 2.1$

$(2.4)^2 + 8.5 \times (7.7 - 3.1) \div 1.7$

$(8.5)^2 - 9.2 \times (7.6 + 1.6) \div 2.3$

$(5.5)^2 - 7.2 \times ((4.2 + 5.7) \div 4.4)$

$\left(3.4 + (8.4)^2 \div 2.8\right) \times 2.6 - 9.3$

$(2.4 \times 6.6) \div 1.8 + (7.5)^2 - 1.6$

$6.6 + (2.7)^2 \div (8.2 - 5.5) \times 2.2$

Order of Operations with Decimals (H) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$(\underline{1.6 \div 1.25}) \times (6.5 + 6.6 - 9.1)^2$

$= 1.28 \times (\underline{6.5 + 6.6} - 9.1)^2$

$= 1.28 \times (\underline{13.1 - 9.1})^2$

$= 1.28 \times \underline{4}^2$

$= \underline{1.28 \times 16}$

$= 20.48$

$\left(\underline{(3.6)^2} \div 1.6 - 4.2\right) \times 6.9 + 2.1$

$= (\underline{12.96 \div 1.6} - 4.2) \times 6.9 + 2.1$

$= (\underline{8.1 - 4.2}) \times 6.9 + 2.1$

$= \underline{3.9 \times 6.9} + 2.1$

$= \underline{26.91 + 2.1}$

$= 29.01$

$(2.4)^2 + 8.5 \times (\underline{7.7 - 3.1}) \div 1.7$

$= \underline{(2.4)^2} + 8.5 \times 4.6 \div 1.7$

$= 5.76 + \underline{8.5 \times 4.6} \div 1.7$

$= 5.76 + \underline{39.1 \div 1.7}$

$= \underline{5.76 + 23}$

$= 28.76$

$(8.5)^2 - 9.2 \times (\underline{7.6 + 1.6}) \div 2.3$

$= \underline{(8.5)^2} - 9.2 \times 9.2 \div 2.3$

$= 72.25 - \underline{9.2 \times 9.2} \div 2.3$

$= 72.25 - \underline{84.64 \div 2.3}$

$= \underline{72.25 - 36.8}$

$= 35.45$

$(5.5)^2 - 7.2 \times ((\underline{4.2 + 5.7}) \div 4.4)$

$= (5.5)^2 - 7.2 \times (\underline{9.9 \div 4.4})$

$= \underline{(5.5)^2} - 7.2 \times 2.25$

$= 30.25 - \underline{7.2 \times 2.25}$

$= \underline{30.25 - 16.2}$

$= 14.05$

$\left(3.4 + \underline{(8.4)^2} \div 2.8\right) \times 2.6 - 9.3$

$= (3.4 + \underline{70.56 \div 2.8}) \times 2.6 - 9.3$

$= (\underline{3.4 + 25.2}) \times 2.6 - 9.3$

$= \underline{28.6 \times 2.6} - 9.3$

$= \underline{74.36 - 9.3}$

$= 65.06$

$(\underline{2.4 \times 6.6}) \div 1.8 + (7.5)^2 - 1.6$

$= 15.84 \div 1.8 + \underline{(7.5)^2} - 1.6$

$= \underline{15.84 \div 1.8} + 56.25 - 1.6$

$= \underline{8.8 + 56.25} - 1.6$

$= \underline{65.05 - 1.6}$

$= 63.45$

$6.6 + (2.7)^2 \div (\underline{8.2 - 5.5}) \times 2.2$

$= 6.6 + \underline{(2.7)^2} \div 2.7 \times 2.2$

$= 6.6 + \underline{7.29 \div 2.7} \times 2.2$

$= 6.6 + \underline{2.7 \times 2.2}$

$= \underline{6.6 + 5.94}$

$= 12.54$