Order of Operations with Decimals (E)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$3.2 \times (4.8 + 2.2 - 6.6 \div 1.1)^2$

$\left((7.9)^2 + 4.5 - 5.5\right) \div 8.9 \times 1.4$

$\left(3.3 + (2.6)^2 - 6.6 \div 3.75\right) \times 1.5$

$\left((7.5 + 2.8 - 9.7)^2 \times 6.5\right) \div 5.2$

$\left((5.1)^2 + 4.3 \times 3.7 - 9.3\right) \div 1.4$

$(3.6 + 3.3 - 2.5)^2 \div 3.2 \times 2.4$

$4.8 \div (9.5 - 7.5) \times 5.3 + (3.6)^2$

$\left((2.8)^2 \div 2.8 + 4.7\right) \times 9.6 - 4.8$

Order of Operations with Decimals (E) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$3.2 \times (4.8 + 2.2 - \underline{6.6 \div 1.1})^2$

$= 3.2 \times (\underline{4.8 + 2.2} - 6)^2$

$= 3.2 \times (\underline{7 - 6})^2$

$= 3.2 \times \underline{1^2}$

$= \underline{3.2 \times 1}$

$= 3.2$

$\left(\underline{(7.9)^2} + 4.5 - 5.5\right) \div 8.9 \times 1.4$

$= (\underline{62.41 + 4.5} - 5.5) \div 8.9 \times 1.4$

$= (\underline{66.91 - 5.5}) \div 8.9 \times 1.4$

$= \underline{61.41 \div 8.9} \times 1.4$

$= \underline{6.9 \times 1.4}$

$= 9.66$

$\left(3.3 + \underline{(2.6)^2} - 6.6 \div 3.75\right) \times 1.5$

$= (3.3 + 6.76 - \underline{6.6 \div 3.75}) \times 1.5$

$= (\underline{3.3 + 6.76} - 1.76) \times 1.5$

$= (\underline{10.06 - 1.76}) \times 1.5$

$= \underline{8.3 \times 1.5}$

$= 12.45$

$\left((\underline{7.5 + 2.8} - 9.7)^2 \times 6.5\right) \div 5.2$

$= \left((\underline{10.3 - 9.7})^2 \times 6.5\right) \div 5.2$

$= \left(\underline{(0.6)^2} \times 6.5\right) \div 5.2$

$= (\underline{0.36 \times 6.5}) \div 5.2$

$= \underline{2.34 \div 5.2}$

$= 0.45$

$\left(\underline{(5.1)^2} + 4.3 \times 3.7 - 9.3\right) \div 1.4$

$= (26.01 + \underline{4.3 \times 3.7} - 9.3) \div 1.4$

$= (\underline{26.01 + 15.91} - 9.3) \div 1.4$

$= (\underline{41.92 - 9.3}) \div 1.4$

$= \underline{32.62 \div 1.4}$

$= 23.3$

$(\underline{3.6 + 3.3} - 2.5)^2 \div 3.2 \times 2.4$

$= (\underline{6.9 - 2.5})^2 \div 3.2 \times 2.4$

$= \underline{(4.4)^2} \div 3.2 \times 2.4$

$= \underline{19.36 \div 3.2} \times 2.4$

$= \underline{6.05 \times 2.4}$

$= 14.52$

$4.8 \div (\underline{9.5 - 7.5}) \times 5.3 + (3.6)^2$

$= 4.8 \div 2 \times 5.3 + \underline{(3.6)^2}$

$= \underline{4.8 \div 2} \times 5.3 + 12.96$

$= \underline{2.4 \times 5.3} + 12.96$

$= \underline{12.72 + 12.96}$

$= 25.68$

$\left(\underline{(2.8)^2} \div 2.8 + 4.7\right) \times 9.6 - 4.8$

$= (\underline{7.84 \div 2.8} + 4.7) \times 9.6 - 4.8$

$= (\underline{2.8 + 4.7}) \times 9.6 - 4.8$

$= \underline{7.5 \times 9.6} - 4.8$

$= \underline{72 - 4.8}$

$= 67.2$