

Order of Operations with Decimals (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$((-0,5) - (-6,8))^2 \div 3,5$$

$$(0,9)^2 - (-3,9) \times (-4,5)$$

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

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

$$((3,5)^2 - (-2,6)) \times 0,6$$

$$((-7,3) - (-6,9)^2) \div 3,4$$

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

$$0,1 - (7,8)^2 \div (-7,2)$$

$$(-0,7) \div 1,25 - (3,2)^2$$

Order of Operations with Decimals (H) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 3,7 \times 3,8 + (-2,3)^2 \\ & = \underline{3,7 \times 3,8} + 5,29 \\ & = \underline{14,06 + 5,29} \\ & = 19,35 \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-0,5) - (-6,8)} \right)^2 \div 3,5 \\ & = \underline{(6,3)^2} \div 3,5 \\ & = \underline{39,69 \div 3,5} \\ & = 11,34 \end{aligned}$$

$$\begin{aligned} & \underline{(0,9)^2} - (-3,9) \times (-4,5) \\ & = 0,81 - \underline{(-3,9) \times (-4,5)} \\ & = \underline{0,81 - 17,55} \\ & = -16,74 \end{aligned}$$

$$\begin{aligned} & 1,7 \times 4,5 + \underline{(-4,3)^2} \\ & = \underline{1,7 \times 4,5} + 18,49 \\ & = \underline{7,65 + 18,49} \\ & = 26,14 \end{aligned}$$

$$\begin{aligned} & (-9,3)^2 \times \left(\underline{(-5,8) - (-6,8)} \right) \\ & = \underline{(-9,3)^2} \times 1 \\ & = \underline{86,49 \times 1} \\ & = 86,49 \end{aligned}$$

$$\begin{aligned} & \left(\underline{(3,5)^2} - (-2,6) \right) \times 0,6 \\ & = \left(\underline{12,25 - (-2,6)} \right) \times 0,6 \\ & = \underline{14,85 \times 0,6} \\ & = 8,91 \end{aligned}$$

$$\begin{aligned} & \left((-7,3) - \underline{(-6,9)^2} \right) \div 3,4 \\ & = \left(\underline{(-7,3) - 47,61} \right) \div 3,4 \\ & = \underline{(-54,91) \div 3,4} \\ & = -16,15 \end{aligned}$$

$$\begin{aligned} & \left(\underline{(9,3)^2} + 1,6 \right) \div (-2,3) \\ & = \left(\underline{86,49 + 1,6} \right) \div (-2,3) \\ & = \underline{88,09 \div (-2,3)} \\ & = -38,3 \end{aligned}$$

$$\begin{aligned} & 0,1 - \underline{(7,8)^2} \div (-7,2) \\ & = 0,1 - \underline{60,84 \div (-7,2)} \\ & = \underline{0,1 - (-8,45)} \\ & = 8,55 \end{aligned}$$

$$\begin{aligned} & (-0,7) \div 1,25 - \underline{(3,2)^2} \\ & = \underline{(-0,7) \div 1,25} - 10,24 \\ & = \underline{(-0,56) - 10,24} \\ & = -10,8 \end{aligned}$$