

Order of Operations with Decimals (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(4.7 - 1.3) \times 3.4 + (6.1)^2$$

$$5.5 \div (3.9 - 2.9)^2 \times 1.3$$

$$(1.7 \div 6.8 + (4.3)^2) \times 2.5$$

$$5.2 + (5.4)^2 \div (2.2 - 1.3)$$

$$(6.1 + 5.8 - 6.9) \times (1.4)^2$$

$$3.5 \times (7.7 - 5.1 + (1.8)^2)$$

$$(9.3 \times 4.8 + (7.4)^2) \div 1.4$$

$$(7.2 + 4.7) \times 2.9 - (4.8)^2$$

Order of Operations with Decimals (G) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (4.7 - 1.3) \times 3.4 + (6.1)^2 \\ &= 3.4 \times 3.4 + (6.1)^2 \\ &= 3.4 \times 3.4 + 37.21 \\ &= 11.56 + 37.21 \\ &= 48.77 \end{aligned}$$

$$\begin{aligned} & 5.5 \div (3.9 - 2.9)^2 \times 1.3 \\ &= 5.5 \div 1^2 \times 1.3 \\ &= 5.5 \div 1 \times 1.3 \\ &= 5.5 \times 1.3 \\ &= 7.15 \end{aligned}$$

$$\begin{aligned} & (1.7 \div 6.8 + (4.3)^2) \times 2.5 \\ &= (1.7 \div 6.8 + 18.49) \times 2.5 \\ &= (0.25 + 18.49) \times 2.5 \\ &= 18.74 \times 2.5 \\ &= 46.85 \end{aligned}$$

$$\begin{aligned} & 5.2 + (5.4)^2 \div (2.2 - 1.3) \\ &= 5.2 + (5.4)^2 \div 0.9 \\ &= 5.2 + 29.16 \div 0.9 \\ &= 5.2 + 32.4 \\ &= 37.6 \end{aligned}$$

$$\begin{aligned} & (6.1 + 5.8 - 6.9) \times (1.4)^2 \\ &= (11.9 - 6.9) \times (1.4)^2 \\ &= 5 \times (1.4)^2 \\ &= 5 \times 1.96 \\ &= 9.8 \end{aligned}$$

$$\begin{aligned} & 3.5 \times (7.7 - 5.1 + (1.8)^2) \\ &= 3.5 \times (7.7 - 5.1 + 3.24) \\ &= 3.5 \times (2.6 + 3.24) \\ &= 3.5 \times 5.84 \\ &= 20.44 \end{aligned}$$

$$\begin{aligned} & (9.3 \times 4.8 + (7.4)^2) \div 1.4 \\ &= (9.3 \times 4.8 + 54.76) \div 1.4 \\ &= (44.64 + 54.76) \div 1.4 \\ &= 99.4 \div 1.4 \\ &= 71 \end{aligned}$$

$$\begin{aligned} & (7.2 + 4.7) \times 2.9 - (4.8)^2 \\ &= 11.9 \times 2.9 - (4.8)^2 \\ &= 11.9 \times 2.9 - 23.04 \\ &= 34.51 - 23.04 \\ &= 11.47 \end{aligned}$$