

# Order of Operations with Decimals (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each expression using the correct order of operations.

$$(-1.9)^2 \times (3.2 - (-3.8))$$

$$1.1 - 0.3 \div (0.2)^2$$

$$(-0.9) \times 5.1 + (6.8)^2$$

$$(-9.8)^2 - 2.5 \times 1.6$$

$$(4.4 + (-3.8)^2) \div 0.5$$

$$(-0.7)^2 + 4.5 \times (-3.6)$$

$$(-5.2)^2 + 6.2 \times 2.5$$

$$(-9.7) - 3.75 \times (1.6)^2$$

$$3.8 \times (-9.1) + (6.9)^2$$

$$(4.1 - (3.5)^2) \times (-6.4)$$

# Order of Operations with Decimals (F) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each expression using the correct order of operations.

$$\begin{aligned} & (-1.9)^2 \times (3.2 - (-3.8)) \\ &= \underline{(-1.9)^2} \times 7 \\ &= \underline{3.61} \times 7 \\ &= 25.27 \end{aligned}$$

$$\begin{aligned} & 1.1 - 0.3 \div (0.2)^2 \\ &= 1.1 - \underline{0.3 \div 0.04} \\ &= \underline{1.1 - 7.5} \\ &= -6.4 \end{aligned}$$

$$\begin{aligned} & (-0.9) \times 5.1 + (6.8)^2 \\ &= \underline{(-0.9) \times 5.1} + 46.24 \\ &= \underline{(-4.59) + 46.24} \\ &= 41.65 \end{aligned}$$

$$\begin{aligned} & (-9.8)^2 - 2.5 \times 1.6 \\ &= 96.04 - \underline{2.5 \times 1.6} \\ &= \underline{96.04 - 4} \\ &= 92.04 \end{aligned}$$

$$\begin{aligned} & (4.4 + (-3.8)^2) \div 0.5 \\ &= \underline{(4.4 + 14.44)} \div 0.5 \\ &= \underline{18.84 \div 0.5} \\ &= 37.68 \end{aligned}$$

$$\begin{aligned} & (-0.7)^2 + 4.5 \times (-3.6) \\ &= 0.49 + \underline{4.5 \times (-3.6)} \\ &= \underline{0.49 + (-16.2)} \\ &= -15.71 \end{aligned}$$

$$\begin{aligned} & (-5.2)^2 + 6.2 \times 2.5 \\ &= 27.04 + \underline{6.2 \times 2.5} \\ &= \underline{27.04 + 15.5} \\ &= 42.54 \end{aligned}$$

$$\begin{aligned} & (-9.7) - 3.75 \times (1.6)^2 \\ &= (-9.7) - \underline{3.75 \times 2.56} \\ &= \underline{(-9.7) - 9.6} \\ &= -19.3 \end{aligned}$$

$$\begin{aligned} & 3.8 \times (-9.1) + (6.9)^2 \\ &= \underline{3.8 \times (-9.1)} + 47.61 \\ &= \underline{(-34.58) + 47.61} \\ &= 13.03 \end{aligned}$$

$$\begin{aligned} & (4.1 - (3.5)^2) \times (-6.4) \\ &= \underline{(4.1 - 12.25)} \times (-6.4) \\ &= \underline{(-8.15) \times (-6.4)} \\ &= 52.16 \end{aligned}$$