

# Order of Operations with Decimals (I)

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

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

Simplify each expression using the correct order of operations.

$$1.5 \times 9.8 + (6.1)^2$$

$$9.3 \times 2.8 + (5.6)^2$$

$$9.4 \div 1.25 + (5.2)^2$$

$$8.4 \times 2.1 + (7.6)^2$$

$$(1.5)^2 + 2.2 \times 1.6$$

$$(1.1)^2 + 4.8 \times 2.8$$

$$7.3 \times 2.3 - (2.8)^2$$

$$9.1 \times 8.1 - (1.7)^2$$

$$7.7 \times 1.4 - (1.3)^2$$

$$2.6 + (6.5)^2 \div 1.25$$

# Order of Operations with Decimals (I) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 1.5 \times 9.8 + \underline{(6.1)^2} \\ & = \underline{1.5 \times 9.8} + 37.21 \\ & = \underline{14.7 + 37.21} \\ & = 51.91 \end{aligned}$$

$$\begin{aligned} & 9.3 \times 2.8 + \underline{(5.6)^2} \\ & = \underline{9.3 \times 2.8} + 31.36 \\ & = \underline{26.04 + 31.36} \\ & = 57.4 \end{aligned}$$

$$\begin{aligned} & 9.4 \div 1.25 + \underline{(5.2)^2} \\ & = \underline{9.4 \div 1.25} + 27.04 \\ & = \underline{7.52 + 27.04} \\ & = 34.56 \end{aligned}$$

$$\begin{aligned} & 8.4 \times 2.1 + \underline{(7.6)^2} \\ & = \underline{8.4 \times 2.1} + 57.76 \\ & = \underline{17.64 + 57.76} \\ & = 75.4 \end{aligned}$$

$$\begin{aligned} & \underline{(1.5)^2} + 2.2 \times 1.6 \\ & = 2.25 + \underline{2.2 \times 1.6} \\ & = \underline{2.25 + 3.52} \\ & = 5.77 \end{aligned}$$

$$\begin{aligned} & \underline{(1.1)^2} + 4.8 \times 2.8 \\ & = 1.21 + \underline{4.8 \times 2.8} \\ & = \underline{1.21 + 13.44} \\ & = 14.65 \end{aligned}$$

$$\begin{aligned} & 7.3 \times 2.3 - \underline{(2.8)^2} \\ & = \underline{7.3 \times 2.3} - 7.84 \\ & = \underline{16.79 - 7.84} \\ & = 8.95 \end{aligned}$$

$$\begin{aligned} & 9.1 \times 8.1 - \underline{(1.7)^2} \\ & = \underline{9.1 \times 8.1} - 2.89 \\ & = \underline{73.71 - 2.89} \\ & = 70.82 \end{aligned}$$

$$\begin{aligned} & 7.7 \times 1.4 - \underline{(1.3)^2} \\ & = \underline{7.7 \times 1.4} - 1.69 \\ & = \underline{10.78 - 1.69} \\ & = 9.09 \end{aligned}$$

$$\begin{aligned} & 2.6 + \underline{(6.5)^2} \div 1.25 \\ & = 2.6 + \underline{42.25 \div 1.25} \\ & = \underline{2.6 + 33.8} \\ & = 36.4 \end{aligned}$$