

## Order of Operations with Decimals (E)

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

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

Simplify each expression using the correct order of operations.

$$8.3 + 2.5 \times (2.2)^2$$

$$(5.4)^2 - 7.1 \times 3.1$$

$$1.1 + (2.8)^2 \times 4.5$$

$$(5.1 - 4.6) \times (6.8)^2$$

$$(2.4)^2 + 3.9 \times 7.6$$

$$(7.5)^2 - 2.5 \times 1.9$$

$$9.2 \times 6.5 + (5.7)^2$$

$$(2.7)^2 + 5.2 \times 6.1$$

$$(1.5)^2 \times 3.4 + 2.6$$

$$6.8 + (2.5)^2 \times 1.8$$

# Order of Operations with Decimals (E) Answers

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 8.3 + 2.5 \times (2.2)^2 \\ & = 8.3 + 2.5 \times 4.84 \\ & = 8.3 + 12.1 \\ & = 20.4 \end{aligned}$$

$$\begin{aligned} & (5.4)^2 - 7.1 \times 3.1 \\ & = 29.16 - 7.1 \times 3.1 \\ & = 29.16 - 22.01 \\ & = 7.15 \end{aligned}$$

$$\begin{aligned} & 1.1 + (2.8)^2 \times 4.5 \\ & = 1.1 + 7.84 \times 4.5 \\ & = 1.1 + 35.28 \\ & = 36.38 \end{aligned}$$

$$\begin{aligned} & (5.1 - 4.6) \times (6.8)^2 \\ & = 0.5 \times (6.8)^2 \\ & = 0.5 \times 46.24 \\ & = 23.12 \end{aligned}$$

$$\begin{aligned} & (2.4)^2 + 3.9 \times 7.6 \\ & = 5.76 + 3.9 \times 7.6 \\ & = 5.76 + 29.64 \\ & = 35.4 \end{aligned}$$

$$\begin{aligned} & (7.5)^2 - 2.5 \times 1.9 \\ & = 56.25 - 2.5 \times 1.9 \\ & = 56.25 - 4.75 \\ & = 51.5 \end{aligned}$$

$$\begin{aligned} & 9.2 \times 6.5 + (5.7)^2 \\ & = 9.2 \times 6.5 + 32.49 \\ & = 59.8 + 32.49 \\ & = 92.29 \end{aligned}$$

$$\begin{aligned} & (2.7)^2 + 5.2 \times 6.1 \\ & = 7.29 + 5.2 \times 6.1 \\ & = 7.29 + 31.72 \\ & = 39.01 \end{aligned}$$

$$\begin{aligned} & (1.5)^2 \times 3.4 + 2.6 \\ & = 2.25 \times 3.4 + 2.6 \\ & = 7.65 + 2.6 \\ & = 10.25 \end{aligned}$$

$$\begin{aligned} & 6.8 + (2.5)^2 \times 1.8 \\ & = 6.8 + 6.25 \times 1.8 \\ & = 6.8 + 11.25 \\ & = 18.05 \end{aligned}$$