

Order of Operations with Decimals (H)

Name: _____

Date: _____

Solve 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: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & 3.7 \times 3.8 + (-2.3)^2 \\ & = 3.7 \times 3.8 + 5.29 \\ & = 14.06 + 5.29 \\ & = 19.35 \end{aligned}$$

$$\begin{aligned} & ((-0.5) - (-6.8))^2 \div 3.5 \\ & = (6.3)^2 \div 3.5 \\ & = 39.69 \div 3.5 \\ & = 11.34 \end{aligned}$$

$$\begin{aligned} & (0.9)^2 - (-3.9) \times (-4.5) \\ & = 0.81 - (-3.9) \times (-4.5) \\ & = 0.81 - 17.55 \\ & = -16.74 \end{aligned}$$

$$\begin{aligned} & 1.7 \times 4.5 + (-4.3)^2 \\ & = 1.7 \times 4.5 + 18.49 \\ & = 7.65 + 18.49 \\ & = 26.14 \end{aligned}$$

$$\begin{aligned} & (-9.3)^2 \times ((-5.8) - (-6.8)) \\ & = (-9.3)^2 \times 1 \\ & = 86.49 \times 1 \\ & = 86.49 \end{aligned}$$

$$\begin{aligned} & ((3.5)^2 - (-2.6)) \times 0.6 \\ & = (12.25 - (-2.6)) \times 0.6 \\ & = 14.85 \times 0.6 \\ & = 8.91 \end{aligned}$$

$$\begin{aligned} & ((-7.3) - (-6.9)^2) \div 3.4 \\ & = ((-7.3) - 47.61) \div 3.4 \\ & = (-54.91) \div 3.4 \\ & = -16.15 \end{aligned}$$

$$\begin{aligned} & ((9.3)^2 + 1.6) \div (-2.3) \\ & = (86.49 + 1.6) \div (-2.3) \\ & = 88.09 \div (-2.3) \\ & = -38.3 \end{aligned}$$

$$\begin{aligned} & 0.1 - (7.8)^2 \div (-7.2) \\ & = 0.1 - 60.84 \div (-7.2) \\ & = 0.1 - (-8.45) \\ & = 8.55 \end{aligned}$$

$$\begin{aligned} & (-0.7) \div 1.25 - (3.2)^2 \\ & = (-0.7) \div 1.25 - 10.24 \\ & = (-0.56) - 10.24 \\ & = -10.8 \end{aligned}$$