

Name: _____

Grade: _____

Score: _____

Worksheet #2



BODMAS

Learning goal: Students will apply BODMAS to simplify numerical expressions involving integers and decimals using step-by-step calculations.

$$(35 \div 7) + [(9 - 4) \times 2] - (10 \div 2)$$

$$= 5 + [5 \times 2] - 5$$

$$= 5 + 10 - 5$$

$$= 10$$

$$(18 - 6) \div (2 + 1) + (9 \div 0.3) \times 2$$

$$[(28 \div 4) + (6 \times 2)] \times (3 - 1.5)$$

$$[20 \div (5 - 1)] + (3 \times 2.5) - (12 \div 3)$$

$$-12 \div (4 + 2) + (5 \div 0.4) \times (3 - 1.2) - (8 \div 2 + 1)$$

$$(36 \div 6) + [(7 - 2) \times 3] - (15 \div 5)$$

$$[(10 \div 2) + (6 \times 2)] \times (4 - 2.5)$$

$$[(14 \div 2) + (4 \times 3)](3 - 1.2)$$

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Worksheet #2(Answers)

**BODMAS**

Learning goal: Students will apply BODMAS to simplify numerical expressions involving integers and decimals using step-by-step calculations.

$$\begin{aligned}(35 \div 7) + [(9 - 4) \times 2] - (10 \div 2) \\&= 5 + [5 \times 2] - 5 \\&= 5 + 10 - 5 \\&= 10\end{aligned}$$

$$\begin{aligned}(18 - 6) \div (2 + 1) + (9 \div 0.3) \times 2 \\&= 12 \div 3 + 2.7 \times 2 \\&= 4 + 5.4 \\&= 9.4\end{aligned}$$

$$\begin{aligned}[(28 \div 4) + (6 \times 2)] \times (3 - 1.5) \\&= [7 + 12] \times 1.5 \\&= 19 \times 1.5 \\&= 28.5\end{aligned}$$

$$\begin{aligned}[20 \div (5 - 1)] + (3 \times 2.5) - (12 \div 3) \\&= [20 \div 4] + 7.5 - 4 \\&= 5 + 7.5 - 4 \\&= 8.5\end{aligned}$$

$$\begin{aligned}-12 \div (4 + 2) + (5 \div 0.4) \times (3 - 1.2) - (8 \div 2 + 1) \\&= -12 \div 6 + 2 \times 1.8 - 5 \\&= -2 + 3.6 - 5 \\&= -3.4\end{aligned}$$

$$\begin{aligned}(36 \div 6) + [(7 - 2) \times 3] - (15 \div 5) \\&= 6 + [5 \times 3] - 3 \\&= 6 + 15 - 3 \\&= 18\end{aligned}$$

$$\begin{aligned}[(10 \div 2) + (6 \times 2)] \times (4 - 2.5) \\&= [5 + 12] \times 1.5 \\&= 17 \times 1.5 \\&= 25.5\end{aligned}$$

$$\begin{aligned}[(14 \div 2) + (4 \times 3)](3 - 1.2) \\&= [7 + 12] \times 1.8 \\&= 19 \times 1.8 \\&= 34.2\end{aligned}$$