

Name: _____

Grade: _____

Score: _____

Worksheet #4



BODMAS

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

$$(48 \div 6) + [(9 - 4) \times 3] - (18 \div 3)$$

$$= 8 + [5 \times 3] - 6$$

$$= 8 + 15 - 6$$

$$= 17$$

$$(54 \div 9) + [(8 - 3) \times 2] - (16 \div 4)$$

$$[(20 \div 4) + (6 \times 2)] \times (3 - 1.4)$$

$$[(40 \div 5) + (6 \times 2)] \times (3 - 1.6)$$

$$(50 \div 5) + [(7 - 2) \times 4] - (12 \div 4)$$

$$-20 \div (5 + 5) + (9 \div 0.7) \times (6 - 3.5) - (12 \div 3 + 1)$$

$$[(36 \div 6) + (5 \times 3)] \times (4 - 2.2)$$

$$[(18 \div 3) + (5 \times 2)] \times (4 - 2.8)$$

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Worksheet #4(Answers)

**BODMAS**

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

$$\begin{aligned}(48 \div 6) + [(9 - 4) \times 3] - (18 \div 3) \\&= 8 + [5 \times 3] - 6 \\&= 8 + 15 - 6 \\&= 17\end{aligned}$$

$$\begin{aligned}(54 \div 9) + [(8 - 3) \times 2] - (16 \div 4) \\&= 6 + [5 \times 2] - 4 \\&= 6 + 10 - 4 \\&= 12\end{aligned}$$

$$\begin{aligned}[(20 \div 4) + (6 \times 2)] \times (3 - 1.4) \\&= [5 + 12] \times 1.6 \\&= 17 \times 1.6 \\&= 27.2\end{aligned}$$

$$\begin{aligned}[(40 \div 5) + (6 \times 2)] \times (3 - 1.6) \\&= [8 + 12] \times 1.4 \\&= 20 \times 1.4 \\&= 28\end{aligned}$$

$$\begin{aligned}(50 \div 5) + [(7 - 2) \times 4] - (12 \div 4) \\&= 10 + [5 \times 4] - 3 \\&= 10 + 20 - 3 \\&= 27\end{aligned}$$

$$\begin{aligned}-20 \div (5 + 5) + (9 \text{ of } 0.7) \times (6 - 3.5) - (12 \div 3 + 1) \\&= 20 \div 10 + 6.3 \times 2.5 - 5 \\&= -2 + 15.75 - 5 \\&= 8.75\end{aligned}$$

$$\begin{aligned}[(36 \div 6) + (5 \times 3)] \times (4 - 2.2) \\&= [6 + 15] \times 1.8 \\&= 21 \times 1.8 \\&= 37.8\end{aligned}$$

$$\begin{aligned}[(18 \div 3) + (5 \times 2)] \times (4 - 2.8) \\&= [6 + 10] \times 1.2 \\&= 16.1.2 \\&= 19.2\end{aligned}$$