

Name: _____

Grade: _____

Score: _____

Worksheet #5



BODMAS

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

$$\begin{aligned}(27 - 9) \div (3 + 3) + (8 \text{ of } 0.4) \times 2 \\= 18 \div 6 + 3.2 \times 2 \\= 3 + 6.4 \\= 9.4\end{aligned}$$

$$(70 \div 7) + [(9 - 4) \times 4] - (20 \div 4)$$

$$[24 \div (6 - 2)] + (4 \times 2.3) - (15 \div 3)$$

$$[(42 \div 6) + (6 \times 3)] \times (4 - 2.6)$$

$$(60 \div 6) + [(10 - 5) \times 3] - (18 \div 6)$$

$$(81 \div 9) + [(12 - 6) \times 2] - (24 \div 4)$$

$$[(25 \div 5) + (7 \times 2)] \times (3 - 1.7)$$

$$[(56 \div 7) + (5 \times 3)](3 - 1.8)$$

Name: _____

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Worksheet #5(Answers)



BODMAS

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

$$\begin{aligned}(27 - 9) \div (3 + 3) + (8 \div 0.4) \times 2 \\&= 18 \div 6 + 3.2 \times 2 \\&= 3 + 6.4 \\&= 9.4\end{aligned}$$

$$\begin{aligned}(70 \div 7) + [(9 - 4) \times 4] - (20 \div 4) \\&= 10 + [5 \times 4] - 5 \\&= 10 + 20 - 5 \\&= 25\end{aligned}$$

$$\begin{aligned}[24 \div (6 - 2)] + (4 \times 2.3) - (15 \div 3) \\&= [24 \div 4] + 9.2 - 5 \\&= 6 + 9.2 - 5 \\&= 10.2\end{aligned}$$

$$\begin{aligned}[(42 \div 6) + (6 \times 3)] \times (4 - 2.6) \\&= [7 + 18] \times 1.4 \\&= 25 \times 1.4 \\&= 35\end{aligned}$$

$$\begin{aligned}(60 \div 6) + [(10 - 5) \times 3] - (18 \div 6) \\&= 10 + [5 \times 3] - 3 \\&= 10 + 15 - 3 \\&= 22\end{aligned}$$

$$\begin{aligned}(81 \div 9) + [(12 - 6) \times 2] - (24 \div 4) \\&= 9 + [6 \times 2] - 6 \\&= 9 + 12 - 6 \\&= 15\end{aligned}$$

$$\begin{aligned}[(25 \div 5) + (7 \times 2)] \times (3 - 1.7) \\&= [5 + 14] \times 1.3 \\&= 19 \times 1.3 \\&= 24.7\end{aligned}$$

$$\begin{aligned}[(56 \div 7) + (5 \times 3)](3 - 1.8) \\&= [8 + 15] \times 1.2 \\&= 23 \times 1.2 \\&= 27.6\end{aligned}$$