

Name _____

5-Step Order of Operations - Word Problems Answer Key

1. Field Trip Snacks

Expression: $4 \times (6 + 3) - (2 \times 4) + 5$

Steps:

1. $6 + 3 = 9$
2. $4 \times 9 = 36$
3. $2 \times 4 = 8$
4. $36 - 8 = 28$
5. $28 + 5 = \mathbf{33}$

2. Science Kits Restock

Expression: $3 \times (8 - 2) + (2 \times 5) - 4$

Steps:

1. $8 - 2 = 6$
2. $3 \times 6 = 18$
3. $2 \times 5 = 10$
4. $18 + 10 = 28$
5. $28 - 4 = \mathbf{24}$

3. Ticket Budget with Fee

Expression: $6 \times 7 + 4 \times 5 - 6 + 3$

Steps:

1. $6 \times 7 = 42$
2. $4 \times 5 = 20$
3. $42 + 20 = 62$
4. $62 - 6 = 56$
5. $56 + 3 = \mathbf{59}$

4. Classroom Pencils

Expression: $5 \times (12 - 3) + (6 \times 3) - 8$

Steps:

1. $12 - 3 = 9$
2. $5 \times 9 = 45$
3. $6 \times 3 = 18$
4. $45 + 18 = 63$
5. $63 - 8 = \mathbf{55}$

5. Season Points

Expression: $10 + (4 \times 3) - 5 + (2 \times 1)$

Steps:

1. $4 \times 3 = 12$
2. $2 \times 1 = 2$
3. $10 + 12 = 22$
4. $22 - 5 = 17$
5. $17 + 2 = \mathbf{19}$

6. Books on Shelves

Expression: $48 \div (7 - 3) + (3 - 1) - 1$

Steps:

1. $7 - 3 = 4$
2. $48 \div 4 = 12$
3. $3 - 1 = 2$
4. $12 + 2 = 14$
5. $14 - 1 = \mathbf{13}$ (books per shelf)