

Name: .....

## Order of Operations

PEMDAS

Solve the following

1.  $4^2 + 2^2 \times [40 \div (31 - 29)^2]$  = \_\_\_\_\_

2.  $4^2 + 3^2 - \{25 - [2 \times (11 + 9 - 13)]\}$  = \_\_\_\_\_

3.  $[(3^3 - 21) \times (15 - 9)] \div 3$  = \_\_\_\_\_

4.  $80 - \{[(17 - 9)^2 - (7^2 - 3 \times 9)] - 12\}$  = \_\_\_\_\_

5.  $\{3 \times [(9 - 3)^2 - (21 - 19) \times 4]\} \div 2$  = \_\_\_\_\_

6.  $2 \times \{6 + [7 \times (12 - 8)]\} - 32$  = \_\_\_\_\_

7.  $80 - [2 \times (21 + 10)] - (38 - 3) \div 7$  = \_\_\_\_\_

8.  $4^3 \div (8 - 6) + 18 \div (6 - 3)$  = \_\_\_\_\_

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## Order of Operations

### Answers

$$1. \quad 4^2 + 2^2 \times [40 \div (31 - 29)^2] = \underline{\hspace{2cm} 56 \hspace{2cm}}$$

$$2. \quad 4^2 + 3^2 - \{25 - [2 \times (11 + 9 - 13)]\} = \underline{\hspace{2cm} 14 \hspace{2cm}}$$

$$3. \quad [(3^3 - 21) \times (15 - 9)] \div 3 = \underline{\hspace{2cm} 12 \hspace{2cm}}$$

$$4. \quad 80 - \{[(17 - 9)^2 - (7^2 - 3 \times 9)] - 12\} = \underline{\hspace{2cm} 50 \hspace{2cm}}$$

$$5. \quad \{3 \times [(9 - 3)^2 - (21 - 19) \times 4]\} \div 2 = \underline{\hspace{2cm} 42 \hspace{2cm}}$$

$$6. \quad 2 \times \{6 + [7 \times (12 - 8)]\} - 32 = \underline{\hspace{2cm} 36 \hspace{2cm}}$$

$$7. \quad 80 - [2 \times (21 + 10)] - (38 - 3) \div 7 = \underline{\hspace{2cm} 13 \hspace{2cm}}$$

$$8. \quad 4^3 \div (8 - 6) + 18 \div (6 - 3) = \underline{\hspace{2cm} 38 \hspace{2cm}}$$