

Name : \_\_\_\_\_

# Order of Operations (PEMDAS) with Exponents

Solve the following

1.  $2^3 \times 9 + (13 - 11) \times 9$

\_\_\_\_\_

2.  $(26 - 15)^2 - (15 - 7 - 5)^3$

\_\_\_\_\_

3.  $11 \div 1 + (3^2 - 4 \times 2)$

\_\_\_\_\_

4.  $(19 - 11) \times 20 + 15^2 \div 15$

\_\_\_\_\_

5.  $9^2 + [(15 \div 5) \times 19] - 3^3$

\_\_\_\_\_

6.  $[2^4 + (3^2 - 1) \times 7] + 56$

\_\_\_\_\_

7.  $6^2 - 24 \div 2^3 + 14 \times 3$

\_\_\_\_\_

8.  $4^3 \div 8 \times 2 - 7^2 + 1$

\_\_\_\_\_

9.  $7^2 \times (6 - 5) + 3^2 \times (24 \div 8)$

\_\_\_\_\_

10.  $25 + 3^3 \div (21 - 12) - 6^2$

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# Order of Operations (PEMDAS) with Exponents

## Answers

1. $2^3 \times 9 + (13 - 11) \times 9$  <u>90</u>	2. $(26 - 15)^2 - (15 - 7 - 5)^3$  <u>94</u>
3. $11 \div 1 + (3^2 - 4 \times 2)$  <u>12</u>	4. $(19 - 11) \times 20 + 15^2 \div 15$  <u>175</u>
5. $9^2 + [(15 \div 5) \times 19] - 3^3$  <u>111</u>	6. $[2^4 + (3^2 - 1) \times 7] + 56$  <u>128</u>
7. $6^2 - 24 \div 2^3 + 14 \times 3$  <u>75</u>	8. $4^3 \div 8 \times 2 - 7^2 + 1$  <u>-32</u>
9. $7^2 \times (6 - 5) + 3^2 \times (24 \div 8)$  <u>76</u>	10. $25 + 3^3 \div (21 - 12) - 6^2$  <u>-8</u>