



## Using Order of Operations

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

Evaluate each expression.

Answers

1)  $6 + 9(2^2 + 8)$

2)  $8(2^3 + 8 - 4) + 3$

1. \_\_\_\_\_

3)  $(4 + 8) + 7^2 + 4 \cdot 8 \div 6$

4)  $7(4^3 + 2) \times 2$

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

5)  $(6 + 15 \div 5) + 6^2 \times 6$

6)  $(8 + 3 - 2) + 3^3 \times 10$

7)  $7 + 4 \div 2(5 + 5)$

8)  $2(10 + 6^2) + 7$

9)  $5 + 6(4 + 27 \div 3)$

10)  $5(2^3 \times 2) + 18 - 10$



## Using Order of Operations

Name: **Answer Key**

Evaluate each expression.

1)  $6 + 9(2^2 + 8)$

$6 + 9 \times (\mathbf{4} + \mathbf{8})$

$6 + 9 \times (\mathbf{12})$

$\mathbf{6} + \mathbf{108}$

$\mathbf{114}$

2)  $8(2^3 + 8 - 4) + 3$

$8 \times (\mathbf{8} + \mathbf{8} - \mathbf{4}) + 3$

$8 \times (\mathbf{16} - \mathbf{4}) + 3$

$8 \times (\mathbf{12}) + 3$

$\mathbf{96} + 3$

$\mathbf{99}$

3)  $(4 + 8) + 7^2 + 48 \div 6$

$(\mathbf{12}) + 7^2 + 48 \div 6$

$12 + \mathbf{49} + 48 \div 6$

$12 + 49 + \mathbf{8}$

$\mathbf{61} + 8$

$\mathbf{69}$

4)  $7(4^3 + 2) \times 2$

$7 \times (\mathbf{64} + \mathbf{2}) \times 2$

$7 \times (\mathbf{66}) \times 2$

$\mathbf{462} \times 2$

$\mathbf{924}$

5)  $(6 + 15 \div 5) + 6^2 \times 6$

$(\mathbf{6} + \mathbf{3}) + 6^2 \times 6$

$(\mathbf{9}) + 6^2 \times 6$

$9 + \mathbf{36} \times 6$

$9 + \mathbf{216}$

$\mathbf{225}$

6)  $(8 + 3 - 2) + 3^3 \times 10$

$(\mathbf{11} - \mathbf{2}) + 3^3 \times 10$

$(\mathbf{9}) + 3^3 \times 10$

$9 + \mathbf{27} \times 10$

$9 + \mathbf{270}$

$\mathbf{279}$

7)  $7 + 4 \div 2(5 + 5)$

$7 + 4 \div 2 \times (\mathbf{10})$

$7 + 2 \times 10$

$7 + \mathbf{20}$

$\mathbf{27}$

8)  $2(10 + 6^2) + 7$

$2 \times (\mathbf{10} + \mathbf{36}) + 7$

$2 \times (\mathbf{46}) + 7$

$\mathbf{92} + 7$

$\mathbf{99}$

9)  $5 + 6(4 + 27 \div 3)$

$5 + 6 \times (\mathbf{4} + \mathbf{9})$

$5 + 6 \times (\mathbf{13})$

$5 + \mathbf{78}$

$\mathbf{83}$

10)  $5(2^3 \times 2) + 18 - 10$

$5 \times (\mathbf{8} \times \mathbf{2}) + 18 - 10$

$5 \times (\mathbf{16}) + 18 - 10$

$80 + 18 - 10$

$\mathbf{98} - 10$

$\mathbf{88}$

**Answers**

1. **114**

2. **99**

3. **69**

4. **924**

5. **225**

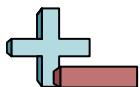
6. **279**

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1. \_\_\_\_\_

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4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

3)  $(4+8)+7^2+48\div 6$

4)  $7(4^3+2)\times 2$

5)  $(6+15\div 5)+6^2\times 6$

6)  $(8+3-2)+3^3\times 10$

7)  $7+4\div 2(5+5)$

8)  $2(10+6^2)+7$