

# Order of Operations without Parentheses

Assignment  
Math 5

**Part 1:** Given the numerical expressions below, identify the order of operations to use (**Multiplication**, **Division**, **Addition** and **Subtraction**) to get the correct answer.

1.

$16 \div 4 \times 2 - 8 + 5$

2.

$10 - 5 \times 2 \div 5 + 8$

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3.

$$12 - 10 + 4 \times 6 - 26$$

$12 - 10 + 4 \times 6 - 26$

4.

$$20 \div 4 \times 5 \div 5 \times 4$$

$20 \div 4 \times 5 \div 5 \times 4$

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**Part 2:** Evaluate the following numerical expressions.

1.  $16 - 4 \div 2 \times 8 + 5$

2.  $16 \div 4 \times 2 - 8 + 5$

3.  $10 + 15 \div 3 \times 3 - 25$

4.  $7 \times 8 + 5 - 18 \div 2 + 7$

5.  $13 - 3 + 8 \div 2 \times 5 - 9$

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

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6.  $7 + 10 \div 5 + 12 - 4 \times 3$

7.  $10 - 2 + 2 \times 4 \div 4 - 10$

8.  $36 \div 9 + 2 \times 8 + 4 - 16$

9.  $20 + 30 - 100 \div 20 \times 5$

10.  $1000 \div 100 \times 10 - 100 + 100$

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## Part 3: Read and solve the following problems.

1. Mitch bought 4 pairs of shoes for \$32 each. She paid the cashier \$150.
  - a. Write a numerical expression that would represent the situation above.
  
  
  
  
  
  
  
  
  
  
  - b. How much money does Mitch have left?
  
  
  
  
  
  
  
  
  
  
2. John bought 10 pencils for \$1.50 dollars each and 14 notebooks for \$2.25 each.
  - a. Write a numerical expression that would represent the situation above.
  
  
  
  
  
  
  
  
  
  
  - b. How much money did John spend?

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## Answers:

**Part 1:** Given the numerical expressions below, identify the order of operation to use (**Multiplication**, **Division**, **Addition** and **Subtraction**) to get the correct answer.

1.

$$16 \div 4 \times 2 - 8 + 5$$

Division

Multiplication

Subtraction

Addition

2.

$$10 - 5 \times 2 \div 5 + 8$$

Multiplication

Division

Subtraction

Addition

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3.

$$12 - 10 + 4 \times 6 - 26$$

Multiplication

Subtraction

Addition

Subtraction

4.

$$20 \div 4 \times 5 \div 5 \times 4$$

Division

Multiplication

Division

Multiplication

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**Part 2:** Evaluate the following numerical expressions.

1.  $16 - 4 \div 2 \times 8 + 5$

**Solution: 5**

2.  $16 \div 4 \times 2 - 8 + 5$

**Solution: 5**

3.  $10 + 15 \div 3 \times 3 - 25$

**Solution: 0**

4.  $7 \times 8 + 5 - 18 \div 2 + 7$

**Solution: 59**

5.  $13 - 3 + 8 \div 2 \times 5 - 9$

**Solution: 21**



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6.  $7 + 10 \div 5 + 12 - 4 \times 3$

**Solution: 9**

7.  $10 - 2 + 2 \times 4 \div 4 - 10$

**Solution: 0**

8.  $36 \div 9 + 2 \times 8 + 4 - 16$

**Solution: 8**

9.  $20 + 30 - 100 \div 20 \times 5$

**Solution: 25**

10.  $1000 \div 100 \times 10 - 100 + 100$

**Solution: 100**

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### Part 3: Read and solve the following problems.

1. Mitch bought 4 pairs of shoes for \$32 each. She paid the cashier \$150.

a. Write a numerical expression that would represent the situation above.

**Solution:  $150 - 4 \times 32$**

b. How much money does Mitch have left?

**Solution: \$22**

2. John bought 10 pencils for \$1.50 dollars each and 14 notebooks for \$2.25 each.

a. Write a numerical expression that would represent the situation above.

**Solution:  $10 \times 1.5 + 14 \times 2.25$**

b. How much money did John spend?

**Solution: \$46.50**