

# Unit 1 – Numerical Expressions

Review Guide  
Math 5

**Part 1:** What is a numerical expression? Choose the correct word from the box to complete the statement below.

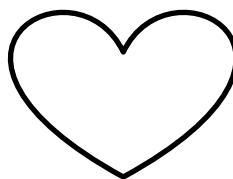


A numerical expression is a 1. \_\_\_\_\_ phrase that represents a single value. It consists of one or more 2. \_\_\_\_\_ and 3. \_\_\_\_\_.

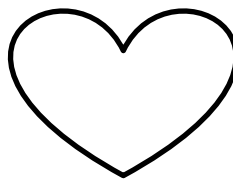
These operations involve 4. \_\_\_\_\_, 5. \_\_\_\_\_, 6. \_\_\_\_\_ and 7. \_\_\_\_\_. Remember that there should be **NO** 8. \_\_\_\_\_ in the expression.

**Part 2:** Color the heart **RED** if the following is a numerical expression, and **BLUE** if otherwise.

8.  $2 \times (4 + 5) \div 6 = 6 \times 3$



9.  $2 \times (4 + 5) \div 6$



# Unit 1 – Numerical Expressions

Review Guide  
Math 5

**Part 3:** Write the numerical expression for the given verbal statements.

10. Five plus fifteen divided by three times ten minus four.

11. The sum of five and ten divided by three times the difference of ten and four.

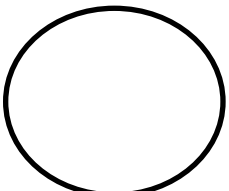
12. The quotient of thirty six and four divided by three plus the product of six and two, minus ten.

13. The quotient of thirty six and four plus the product of six and two minus 10.

# Unit 1 – Numerical Expressions

Review Guide  
Math 5

**Part 4:** Compare the numerical expressions below using  $>$ ,  $<$  and  $=$  without evaluating. Draw a model that will support your answer.

14.  $(10 + 9) \times 2$    $(10 \times 2) + (9 \times 2)$

**Part 5:** Evaluate the following numerical expression.

15.  $10 + 15 \div 5 \times 4 - 20$

16.  $28 - 7 \times 2 \div 14 + 3$

17.  $48 \div 12 \times 5 \div 4 \times 6 - 20 + 10$

18.  $(30 + 34) \div (8 \times 2) - (10 - 6)$

19.  $[2 \times (9 \div 3) + 8] - 12 + 1$

20.  $42 \div [25 - (11 \times 2)] + (24 \div 12)$

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Review Guide  
Math 5

## Answers:

**Part 1:** What is a numerical expression? Choose the correct word from the box to complete the statement below.



A numerical expression is a 1) mathematical phrase that represents a single value. It consists of one or more 2) numbers and 3) operations.

These operations involve 4) addition, 5) subtraction, 6) multiplication and 7) division. Remember that there should be **NO** 8) equal in the expression.

**Part 2:** Color the heart **RED** if the following is a numerical expression, and **BLUE** if otherwise.

8.  $2 \times (4 + 5) \div 6 = 6 \times 3$



9.  $2 \times (4 + 5) \div 6$



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**Part 3:** Write the numerical expression for the given verbal statements.

10. Five plus fifteen divided by three times ten minus four.

$$5 + 15 \div 3 \times 10 - 4$$

11. The sum of five and ten divided by three times the difference of ten and four.

$$(5 + 10) \div 3 \times (10 - 4)$$

12. The quotient of thirty six and four divided by three plus the product of six and two, minus ten.

$$(36 \div 4) \div 3 + (6 \times 2) - 10$$

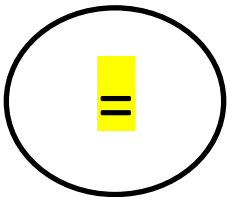
13. The quotient of thirty six and four plus the product of six and two minus 10.

$$(36 \div 4) + (6 \times 2) - 10$$

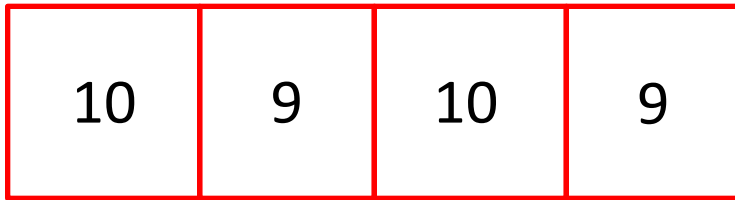
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Review Guide  
Math 5

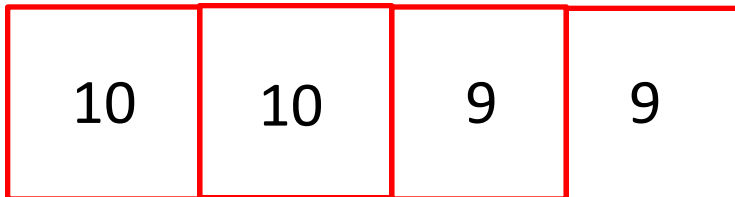
**Part 4:** Compare the numerical expressions below using  $>$ ,  $<$  and  $=$  without evaluating. Draw a model that will support your answer.

14.  $(10 + 9) \times 2$    $(10 \times 2) + (9 \times 2)$

$(10 + 9) \times 2$



$(10 \times 2) + (9 \times 2)$



# Unit 1 – Numerical Expressions

Review Guide  
Math 5

**Part 5:** Evaluate the following numerical expression.

15.  $10 + 15 \div 5 \times 4 - 20$

**2**

16.  $28 - 7 \times 2 \div 14 + 3$

**30**

17.  $48 \div 12 \times 5 \div 4 \times 6 - 20 + 10$

**20**

18.  $(30 + 34) \div (8 \times 2) - (10 - 6)$

**0**

19.  $[2 \times (9 \div 3) + 8] - 12 + 1$

**13**

20.  $42 \div [25 - (11 \times 2)] + (24 \div 12)$

**14**