Hello parents and students,

We hope you are all staying safe with your families. This is Mr. Webster and Mr. Stout with a weekly list of suggested practice materials. We are going to utilize the district math packet as well as other practice online math materials.

The pages of focus this week will be reviewing order of operations from the packet, practice problems, and weekly learning template. As you work through these be thinking about the rules for Order of Operations.

Read through the Template and review the rules so they make sense to you and then practice with the worksheet attached and finish the work with the four 4’s problem.

The four 4’s problems (Page 71 in this weeks packet) has you creating expressions that are equivalent to the numbers 1 through 20 using exactly 4 four’s.

For example: 4/4 + 4/4 or 4 divided by 4 plus 4 divided by 4 equals 2

If you are struggling to get started, change the problem to using the numbers 1,2,3,4 (instead of only 4’s) to create the numbers 1 through 20.

Remember you can use square roots, powers, and all operations.

Thanks for working and thinking about the math review for this week but remember to take care of yourself and your family.

Don Webster + Cordell Stout
Key Content/Modeling

4 + 3 x 5

When we look at this problem, we need to use the correct order of operations. There is one correct answer. As we review these rules, we often think of PEMDAS or the Priority Pyramid.

We must multiply first and then add. Thus 19

1.) Perform operations inside Parentheses.
2.) Evaluate Exponents
3.) Multiply and Divide from left to right
4.) Add and Subtract from left to right

You Try

2 + 9 x 3

(4 + 5 x 2) – 3 x 4

Show me what you know (Proof of learning)

Self-Assessment

Where do you rate your understanding? (1-5, 5 is high)

Extra Learning Opportunities

See attached sheet on next page
Solving Problems Using Order of Operations

Solve the following problems using the order of operations.

<table>
<thead>
<tr>
<th>Step 1: Parenthesis ( )</th>
<th>Solve all problems in parenthesis FIRST.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step 2: Exponents ( ^{2,3,4} )</td>
<td>Next solve any numbers that have exponents.</td>
</tr>
<tr>
<td>Step 3: Multiply or Divide ( \times, \div )</td>
<td>Then solve any multiplication or division problems (going from left to right).</td>
</tr>
<tr>
<td>Step 4: Add or Subtract ( +,- )</td>
<td>Finally solve any addition or subtraction problems (going from left to right).</td>
</tr>
</tbody>
</table>

1) \( 21 \div 3 + (3 \times 9) \times 9 + 5 \)  
2) \( 18 \div 6 \times (4 - 3) + 6 \)

3) \( 14 - 8 + 3 + 8 \times (24 \div 8) \)  
4) \( 4 \times 5 + (14 + 8) - 36 \div 9 \)

5) \( (17 - 7) \times 6 + 2 + 56 - 8 \)  
6) \( (28 \div 4) + 3 + (10 - 8) \times 5 \)

7) \( 12 - 5 + 6 \times 3 + 20 \div 4 \)  
8) \( 36 \div 9 + 48 - 10 \div 2 \)

9) \( 10 + 8 \times 90 \div 9 - 4 \)  
10) \( 8 \times 3 + 70 \div 7 - 7 \)