Warm-up continuation:

- ontinuation: Unit 1—WEEK 1
 Using paper and pencil, work with a partner to simplify the expressions.
 - a. $4 + 3 \times 2 =$
 - b. $5 + 4^2 + 24 \div 6 =$
- II. Using a calculator, enter the following expressions and record the answer. Compare your answers with your answers above. If there were any differences, why?

a.
$$4 + 3 \times 2 =$$

b.
$$5 + 4^2 + 24 \div 6 =$$

What is a numerical expression?	A numerical expression includes only numbers and operational symbols
What does it mean to simplify?	To simplify is to find an equivalent expression that is simpler than the original
What is the order of operations? Parentheses	Order of operations is a series of steps to solve numerical expressions. PEMDAS
Exponents	1. Perform operations in grouping symbols first
Multiplication	2. Find the values of the number with exponents
Division	3. Multiply or divide from left to right as ordered in
Addition	the problem.
Subtraction	4. Add or subtract from left to right as ordered in the problem.
The following chart resembles a hopscotch board. It is to remind you that when you land on multiplication/division, or addition/subtraction, both of your legs are touching a box which means that you must do whichever one comes first from left to right.	P E ÷ -
9 + 12 × 2	
4 × 3 ² + 8 - 16	

Order of Operations

Practice 1:	
$4^2 + 48 \div (10 - 4)$	
Practice 2: 81 ÷ (9 × 9) + 4 ³	
Practice 3: 61 + 5 × 10 ÷ 2 -70	
Practice 4: (2 ² + 18) + 3 - 5 x 4	
Practice 5: 21 ÷ (3 + 4) × 9 - 2 ³	
Practice 6:	
Regina bought 5 carved wooden beads for \$3 each and 8 glass beads for \$2 each. Write and evaluate the expression. $5\times \$3+8\times \2	
Practice 7:	
Tyler walked 2 miles a day for the first week of his exercise plan. Then he walked 3 miles for the next nine days. How many miles did Tyler walk? $2 \times 7 + 3 \times 9$	