## Unit 5 The Order of Operations

- 1. Mathematical expressions may involve one or more operations.
  - A. Six important math operations are addition, subtraction, multiplication, division, exponents, and roots.
  - B. These are math expressions with one operation.

4	+ 2	
1000		

6 - 3



9 ÷ 3

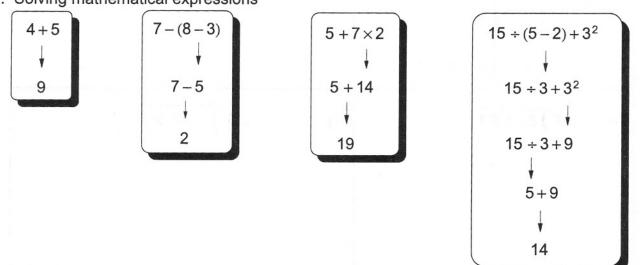




C. Order of operations is important when a math expression has more than one operation. When given a choice of two math operations to perform, the **higher order operation is done first**. **Equal order operations are performed from left to right**.

	The Order of Operations					
1st	Operations within parenthesis	3rd	Multiplication and Division (middle order)			
2nd	Exponents and Roots (highest order)	4th	Addition and Subtraction (lowest order)			

2. Solving mathematical expressions





Simplify the foll	owing expressions:	waadd aan	A STAR BARY LOOK - A
1) 8 + 3 - 4	3) 8 - (6 - 4) + 2	5) $24 \div (6-2)4^2$	6) $(9-5) + 16 \div 4$
2) 12 - (6 - 4)	4) 16 ÷ 4×2		

Unit 5 answers are on page 237.

Unit 5 additional practice problems are on page 160.