

MAT 030 – Core Competency Requirements

Competency	Subject Matter	Key Concepts	Requirement
1	Addition and Subtraction	Whole Numbers with Carrying and Borrowing	4/5
2	Multiplication	Up to 12×12	45/50 in 5 minutes
3	Division	Up to $144 \div 12$	45/50 in 5 minutes
4	Mult/Div – Large Numbers	Multiplication and Division - Longhand	4/5
5	Exponents	Notation and Evaluation	4/5
6	Order of Operations	<ol style="list-style-type: none"> 1. Parenthesis 2. Exponents 3. Multi/Div (Left to Right) 4. Add/Subt. (Left to Right) 	4/5
7	Factoring, LCM, Simplifying Fractions	Factor Numbers Prime Factorization Improper \rightarrow Proper Fractions Proper \rightarrow Improper Fractions Equivalent Fractions Simplifying Fractions	5/6
8	Addition and Subtraction of Fractions	Addition and Subtraction of Fractions	3/4
9	Multiplication and Division of Fractions	Multiplication and Division of Fractions	4/5
10	Conversions between Fractions and Decimals	Conversions between Fractions and Decimals and Rounding	6/7
11	Decimals – Add/Subt.	Carrying and Borrowing	3/4
12	Decimals - Mult/Div	Multiplication and Division with Rounding	3/4
13	Fractions Review Add/Subt Mult/Div	Review of Competency 8 and 9	3/4