



Pre-Algebra

Section 1 - Numbers and Negative Numbers

Section 2 - Factors and Multiples

Section 3 - Fractions

Section 4 - Mixed Numbers

Section 5 - Decimals

Section 6 - Ratio and Proportion

Section 7 - Exponents

Section 8 - Radicals

Section 9 - Scientific Notation

Section 1 - Numbers and Negative Numbers

Numbers and Negative Numbers

Number Sets

Identity Numbers

Opposite of a Number

Adding and Subtracting Signed Numbers

Multiplying Signed Numbers

Dividing Signed Numbers

Absolute Value

Section 2 - Factors and Multiples

Factors of a Number

Divisibility

Multiples

Prime and Composite Numbers

Prime Factorization and Product of Primes

Least Common Multiple

Greatest Common Factor

Section 3 – Fractions

Fractions

Reducing Fractions

Equivalent Fractions and Reducing



Division of Zero
Multiplying and Dividing Fractions
Adding and Subtracting Fractions
Signs of Fractions
Reciprocals

Section 4 - Mixed Numbers

Mixed Numbers and Improper Fractions
Adding and Subtracting Mixed Numbers
Multiplying and Dividing Mixed Numbers

Section 5 – Decimals

Decimal Numbers
Place Value
Decimal Arithmetic
Repeating Decimals
Rounding Decimal Numbers

Section 6 - Ratio and Proportion

Ratios
Ratios and Proportion
Unit Price Problems – Single Unit
Unit Price Problems – Multiple Units

Section 7 – Exponents

Exponents
Product & Quotient Rule
Power Rule
Negative Exponents

Section 8 – Radicals

Simplifying Radicals
Adding and Subtracting Radicals
Multiplying Radicals
Dividing Radicals
Rationalizing Fractions



Section 9 - Scientific Notation

Starting Scientific Notation

Multiplying with Scientific Notation

Dividing with Scientific Notation