

End of Course Exam

(Accelerated Math 6)

50 questions; Multiple Choice

100 points possible

Chapter 1

Whole Number Operations / Word Problems

Powers and Exponents

Order of Operations

Prime Factorization

Greatest Common Factor

Least Common Multiple

Chapter 2

Multiplying & Dividing Fractions

Multiplying & Dividing Mixed Numbers

All Operations with Decimals

Chapter 3

Writing Algebraic Expressions

Evaluating Algebraic Expressions

Properties (Associative, Commutative, Distributive, etc.)

Combining Like Terms

Factoring Expressions

Chapter 4

Area of Parallelograms

Area of Triangles

Area of Trapezoids

Polygons in the Coordinate Plane

Chapter 5

Ratios

Ratio Tables

Rates

Comparing and Graphing Ratios

Percents

Solving Percent Problems

Converting Measures

Chapter 6

Integers

Comparing & Ordering Integers

Comparing & Ordering Fractions and Decimals

Absolute Value

Coordinate Plane (plotting points & finding distance between points)

Chapter 7

Writing Equations
Solving Equations
Writing and Graphing Inequalities
Solving Inequalities

Chapter 8

Three-dimensional Figures
Surface Area of Prisms and Pyramids
Volume of Rectangular Prisms

Chapter 9

Mean, Median, Mode
Choosing Appropriate Measure
Range and Interquartile Range
Mean Absolute Deviation

Chapter 10

Displaying Data
 Stem and Leaf Plots
 Box-and-whisker plots
 Histograms
Shapes of Distribution

Chapter 11

Operations with Integers

Chapter 12

Operations with Positive and Negative Rational Numbers

Chapter 13

Combining Like terms - with positive and negative numbers
Solving equations - with positive and negative rational numbers
Solving multi-step equations

Chapter 14

Unit Rates
Proportions
Writing Proportions
Solving Proportions

Chapter 15

Percents and Decimal Conversions
Ordering and Comparing Decimals, Fractions and Percents
The Percent Proportion
The Percent Equation