

TABLE OF CONTENTS

LESSON 1: NUMBER & QUANTITY

- A) THE RULES**
- B) INTEGERS, DECIMALS, & FRACTIONS**
- C) INTRO TO SOLVING EQUATIONS**
- D) RATIO & PROPORTION**
- E) PERCENT**
- F) CONSTANT RATES**
- G) DIGITS**
- H) FACTORS, PRIME NUMBERS, & DIVISIBILITY**
 - I) COUNTEREXAMPLES**
- J) LOGIC**
- K) ROUNDING**
- L) KNOWING YOUR UNITS**
- M) “COULD BE” PROBLEMS**

LESSON 2: DATA, STATISTICS & PROBABILITY

- A) GRAPHS & TABLES**
- B) MEAN, MEDIAN, MODE, RANGE, & STANDARD DEVIATION**
- C) RANDOM SAMPLES & INFERENCES**
- D) SCATTER PLOTS, CORRELATION V.S. CAUSATION**
- E) LINEAR MODELS & PREDICTIONS**
- F) PROBABILITY**

LESSON 3: ALGEBRA

- A) PROPERTIES**
- B) PROCEDURES**
- C) ALGEBRAIC EXPRESSIONS**
- D) WRITING EQUATIONS**
- E) WORD PROBLEMS**
- F) SOLVING LINEAR EQUATIONS**
- G) QUADRATIC EQUATIONS**

LESSON 4: GEOMETRY

- A) TWO - DIMENSIONAL SHAPES**
- B) ANGLE & TRIANGLE RELATIONSHIPS**
- C) CONGRUENT & SIMILAR FIGURES**
- D) CIRCLES**
- E) PERIMETER, AREA & VOLUME**