

RAY’S FOR TODAY – LEVEL SIX

TABLE OF CONTENTS

UNIT ONE: REVIEW

- Lesson 1 – Overview of Arithmetic
- Lesson 2 – Arithmetic Operations & Properties
- Lesson 3 – Operating on Whole Numbers
- Lesson 4 – Rounding & Estimating
- Lesson 5 – Multiplying by Powers of Ten
- Lesson 6 – Dividing by Powers of Ten
- Lesson 7 – Rational Numbers
- Lesson 8 – More Rational Numbers
- Lesson 9 – Integers
- Lesson 10 – Roman Numerals

UNIT TWO: NUMBER SYSTEM

- Lesson 11 – More Numbers
- Lesson 12 – More Decimal Numbers
- Lesson 13 – Introducing Exponents
- Lesson 14 – Using Exponents
- Lesson 15 – More Exponents
- Lesson 16 – Undoing Exponents
- Lesson 17 – Finding Roots
- Lesson 18 – Number Sentences
- Lesson 19 – Formulas & Variables
- Lesson 20 – Symbolic Language
- Lesson 21 – Terms & Expressions
- Lesson 22 – Distributive Property
- Lesson 23 – Using the Distributive Property
- Lesson 24 – Unit Review
- Lesson 25 – Unit Test

UNIT THREE: INTEGERS

- Lesson 26 – Understanding Integers
- Lesson 27 – Writing Integers
- Lesson 28 – Comparing Integers
- Lesson 29 – Working with Signed Numbers
- Lesson 30 – Adding Integers
- Lesson 31 – Adding Integers
- Lesson 32 – Adding Integers
- Lesson 33 – Adding Integers
- Lesson 34 – Subtracting Integers
- Lesson 35 – Subtracting Integers
- Lesson 36 – Subtracting Integers
- Lesson 37 – Subtraction Related to Addition

Lesson 38 – Operations with Integers
Lesson 39 – Unit Review
Lesson 40 – Unit Test

UNIT FOUR: FRACTIONS

Lesson 41 – Sets
Lesson 42 – Adding Fractions – Like Denominators
Lesson 43 – Subtracting Fractions – Like Denominators
Lesson 44 – LCM & GCD
Lesson 45 – LCM & GCD
Lesson 46 – Adding Fractions – Unlike Denominators
Lesson 47 – Subtracting Fractions – Unlike Denominators
Lesson 48 – Introducing Cancellation
Lesson 49 – Multiplying Fractions & Cancellation
Lesson 50 – Dividing Fractions & Cancellation
Lesson 51 – Fractional Parts of a Whole
Lesson 52 – Fractional Parts of a Whole
Lesson 53 – Fractional Parts of a Whole
Lesson 54 – Fractional Parts of a Whole
Lesson 55 – Fractional Parts of a Whole
Lesson 56 – Fractional Story Problems
Lesson 57 – Fractional Story Problems
Lesson 58 – Unit Review
Lesson 59 – Unit Test
Lesson 60 – Taking Inventory

UNIT FIVE: TIME & MEASUREMENT

Lesson 61 – Converting Customary Measures
Lesson 62 – Converting Metric Measures
Lesson 63 – Using Cancellation
Lesson 64 – Adding & Subtracting Customary Measures
Lesson 65 – Adding & Subtracting Metric Measures
Lesson 66 – Multiplying Measures
Lesson 67 – Dividing Measures
Lesson 68 – Multiplying Linear Measures
Lesson 69 – Elapsed Time
Lesson 70 – Elapsed Time
Lesson 71 – Time Problems
Lesson 72 – Time Clock/Time Sheets
Lesson 73 – Unit Test

UNIT SIX: DECIMALS & PERCENTS

Lesson 74 – Basic Decimal Concepts
Lesson 75 – Operations with Decimals
Lesson 76 – Forms of Rational Numbers
Lesson 77 – Forms of Rational Numbers
Lesson 78 – Forms of Rational Numbers

Lesson 79 – Forms of Rational Numbers
Lesson 80 – Percent of a Number
Lesson 81 – Percent of a Number
Lesson 82 – Percent of a Number
Lesson 83 – Mixed Practice
Lesson 84 – Percents in Money Transactions
Lesson 85 – Sales as Percent Off
Lesson 86 – Calculating Sales Tax
Lesson 87 – Tips & Commission
Lesson 88 – Order Forms
Lesson 89 – Paymaster
Lesson 90 – Simple Interest
Lesson 91 – Unit Review
Lesson 92 – Unit Test

FIRST SEMESTER EXAM

Lesson 93 – Cumulative Review – Unit Two
Lesson 94 – Cumulative Review – Unit Three
Lesson 95 – Cumulative Review – Units Four & Five

UNIT SEVEN: GEOMETRIC TOOLS

Lesson 96 – Plane Figures
Lesson 97 – Types of Lines
Lesson 98 – Geometric Constructions
Lesson 99 – Transversal and Angle Pairs
Lesson 100 – Transversal and Angle Pairs
Lesson 101 – Working with Triangles
Lesson 102 – Quadrilaterals
Lesson 103 – Polygons
Lesson 104 – Polygons
Lesson 105 – Working with Polygons
Lesson 106 – Coordinate Grid
Lesson 107 – Coordinate Grid
Lesson 108 – Transformations
Lesson 109 – Congruence & Similarity
Lesson 110 – Symmetry
Lesson 111 – Circles
Lesson 112 – Circumference & Area
Lesson 113 – Perimeter and Area
Lesson 114 – Perimeter and Area
Lesson 115 – Fixed Areas
Lesson 116 – Square Footage of a House
Lesson 117 – Area of Other Quadrilaterals
Lesson 118 – Area of Triangles
Lesson 119 – Medians
Lesson 120 – Area of Trapezoids
Lesson 121 – Fibonacci Sequence

Lesson 122 – Solid Figures
Lesson 123 – Volume
Lesson 124 – Surface Area
Lesson 125 – Unit Test

UNIT EIGHT: RATIO & PROPORTION

Lesson 126 – Ratios
Lesson 127 – Using Ratios
Lesson 128 – Ratio Problems
Lesson 129 – Ratio Problems
Lesson 130 – Comparing More Objects
Lesson 131 – Proportions
Lesson 132 – Using Proportions
Lesson 133 – Using Proportions
Lesson 134 – Using Proportions
Lesson 135 – Rates & Proportions
Lesson 136 – Unit Conversions
Lesson 137 – Recipes
Lesson 138 – Similarity
Lesson 139 – Map Scales
Lesson 140 – Other Proportion Applications
Lesson 141 – Unit Pricing
Lesson 142 – Problem-Solving Using Proportions
Lesson 143 – Unit Check/Test
Lesson 144 – Sequences
Lesson 145 – Networks

UNIT NINE: PROBLEM-SOLVING

Lesson 146 – Problem-Solving Strategies
Lesson 147 – Distance Problems
Lesson 148 – Distance Problems
Lesson 149 – Work Problems
Lesson 150 – Work Problems
Lesson 151 – Work Problems
Lesson 152 – Fractional Parts & Wholes
Lesson 153 – Fractional Parts & Wholes
Lesson 154 – Proportions & Comparisons
Lesson 155 – Number Puzzles
Lesson 156 – Number Puzzles
Lesson 157 – More Number Puzzles
Lesson 158 – Parts of Parts
Lesson 159 – Mixed Story Problems
Lesson 160 – Mixed Story Problems
Lesson 161 – Mixed Story Problems
Lesson 162 – Line Plots
Lesson 163 – Stem & Leaf Plots
Lesson 164 – Adding/Subtracting Integers

Lesson 165 – Multiplying Integers

Lesson 166 – Dividing Integers

Lesson 167 – Cumulative Test 1

Lesson 168 – Cumulative Test 2

Lesson 169 – Cumulative Test 3

Lesson 170 – Cumulative Test 4