

Unlimited Worksheets & Tests w/ Automatic Grading N Tracking

BONUS Curriculum eBook (PDF Lessons)

Comprehensive Math Curriculum

Course Contents (4th Grade Math)

COURSE NAME: 4TH GRADE MATH

1. Number Sense Review

- 1.1 Place Values and Expanded Form
- 1.2 Defining and Grouping Whole Numbers
- 1.3 Reading and Writing Whole Numbers
- 1.4 Number Combinations
- 1.5 Comparing and Ordering Whole Numbers
- 1.6 Even and Odd Numbers
- 1.7 Rounding Whole Numbers

2. Addition

- 2.1 Properties of Addition
- 2.2 Adding a 3-digit Number and a 3-digit Number
- 2.3 Adding a 4-digit Number and a 3-digit Number
- 2.4 Adding a 4-digit Number and a 4-digit Number
- 2.5 Adding a 5-digit Number and a 4-digit Number
- 2.6 Adding a 5-digit Number and a 5-digit Number
- 2.7 Adding a 6-digit Number and a 5-digit Number
- 2.8 Adding a 6-digit Number and a 6-digit Number
- 2.9 Adding a 7-digit Number and a 6-digit Number
- 2.10 Estimating a Sum by Rounding
- 2.11 Adding 3 Number Sets

3. Subtraction

- 3.1 Subtraction in Relation to Addition
- 3.2 Properties of Subtraction
- 3.3 Subtraction Involving Borrowed Numbers
- 3.4 Subtracting a 2-digit Number from a 4-digit Number
- 3.5 Subtracting a 3-digit Number from a 3-digit Number
- 3.6 Subtracting a 3-digit Number from a 4-digit Number
- 3.7 Subtracting a 4-digit Number from a 4-digit Number
- 3.8 Subtracting a 4-digit Number from a 5-digit Number
- 3.9 Subtracting a 5-digit Number from a 5-digit Number
- 3.10 Estimating Subtraction with Large Numbers

4. Multiplication

- 4.1 Multiplication in Relation to Addition
- 4.2 Properties of Multiplication
- 4.3 Multiplication Table
- 4.4 Multiplication Tricks
- 4.5 Multiplying a 3-digit Number and a 1-digit Number
- 4.6 Multiplying a 2-digit Number and a 2-digit Number
- 4.7 Multiplying a 3-digit Number and a 2-digit Number
- 4.8 Multiplying a 4-digit Number and a 2-digit Number
- 4.9 Multiplying a 5-digit Number and a 2-digit Number
- 4.10 Multiplying a 3-digit Number and a 3-digit Number
- 4.11 Multiplication with Three Numbers

5. Division

- 5.1 Division Facts and Terms
- 5.2 Division in Relation to Subtraction
- 5.3 Division in Relation to Multiplication
- 5.4 Basic Properties of Division
- 5.5 Dividing Using the Division Bracket
- 5.6 Division with a Remainder
- 5.7 Dividing a 2-digit Number by a 1-digit Number
- 5.8 Dividing a 2-digit Number by a 2-digit Number
- 5.9 Dividing a 3-digit Number by a 1-digit Number
- 5.10 Dividing a 3-digit Number by a 2-digit Number
- 5.11 Dividing a 4-digit Number by a 1-digit Number
- 5.12 Dividing a 4-digit Number by a 2-digit Number

6. Decimal Numbers

- 6.1 Decimal Numbers Review
- 6.2 Displaying Decimal Numbers

9. The Number Line

- 9.1 The Number Line
- 9.2 Plotting Numbers on the Number Line
- 9.3 Comparing Fractions
- 9.4 Comparing Decimal Numbers
- 9.5 Comparing Fractions and Decimal Numbers

10. Algebra

- 10.1 Number Patterns using Addition and Subtraction
- 10.2 Number Patterns using Multiplication and Division
- 10.3 Patterns with Shapes and Symbols
- 10.4 Variables, Expressions and Equations
- 10.5 Writing Expressions and Equations
- 10.6 Inequalities using Variables
- 10.7 Formulas
- 10.8 Order of Operations
- 10.9 Evaluating Expressions
- 10.10 Equations with One Variable

11. Geometry

- 11.1 Points, Lines and Line Segments
- 11.2 Parallel, Intersecting and Perpendicular Lines
- 11.3 Angles
- 11.4 Measuring Angles
- 11.5 Triangles
- 11.6 Quadrilaterals
- 11.7 Polygons
- 11.8 Line of Symmetry
- 11.9 Solid Figures

12. Time and Money

- 12.1 Review of Time
- 12.2 Telling Time
- 12.3 Converting Digital and Analog Time
- 12.4 Converting Units of Time
- 12.5 Adding Different Units of Time
- 12.6 Finding Elapsed Time
- 12.7 Adding Elapsed Time
- 12.8 Counting Money
- 12.9 Converting Money into Decimal Form
- 12.10 Comparing Money
- 12.11 Making Change

13. Measurements

- 13.1 Systems of Measurement
- 13.2 Length
- 13.3 Weight
- 13.4 Temperature
- 13.5 Rate and Distance
- 13.6 Perimeter
- 13.7 Area
- 13.8 Area of a Square
- 13.9 Area of a Rectangle
- 13.10 Area of a Triangle
- 13.11 Volume and Liquid Volume
- 13.12 Volume of a Cube
- 13.13 Volume of a Rectangular Box

14. Basic Probability

- 14.1 Introduction to Probability
- 14.2 Probability Based on a Given Event or Data Set

15. Displaying Data Using Graphs

- 15.1 Introduction to Graphs
- 15.2 Circle Graphs

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Course Contents (4th Grade Conti...)

- 6.3 Adding Decimal Numbers
- 6.4 Subtracting Decimal Numbers
- 6.5 Multiplying Decimal Numbers
- 6.6 Counting Money with Decimals
- 6.7 Rounding Decimal Numbers
- 6.8 Word Problems with Decimals

7. Fractions and Fractions Operations

- 7.1 Fractions Review
- 7.2 Equivalent Fractions
- 7.3 The Greatest Common Factor
- 7.4 The Least Common Multiple
- 7.5 The Least Common Denominator
- 7.6 Simplifying Fractions
- 7.7 Adding Fractions with Like Denominators
- 7.8 Subtracting Fractions with Like Denominators
- 7.9 Adding Fractions with Unlike Denominators
- 7.10 Subtracting Fractions with Unlike Denominators
- 7.11 Multiplying Fractions

8. Number Conversions and Mixed Fractions Operations

- 8.1 Types of Fractions
- 8.2 Converting Whole Numbers to Improper Fractions
- 8.3 Converting Decimal Numbers into Fractions
- 8.4 Converting Fractions into Decimal Numbers
- 8.5 Converting Mixed Fractions to Improper Fractions
- 8.6 Converting Improper Fractions to Mixed Fractions
- 8.7 Adding Mixed Fractions
- 8.8 Subtracting Mixed Fractions

- 15.3 Displaying Data Using Circle Graphs
- 15.4 Interpreting Circle Graphs
- 15.5 Bar Graphs
- 15.6 Displaying Data Using Bar Graphs
- 15.7 Interpreting Bar Graphs
- 15.8 Line Graphs
- 15.9 Displaying Data Using Line Graphs
- 15.10 Interpreting Line Graphs

16. Word Problems

- 16.1 Introduction to Word Problems
- 16.2 Age Word Problems
- 16.3 Wage Calculation Word Problems
- 16.4 Family Budgeting Word Problems
- 16.5 Word Problems involving Mathematical Statements