

5th GRADE MATH SKETCH NOTES YEAR-LONG BUNDLE

OPERATIONS & ALGEBRAIC THINKING

- **Order of Operations:** evaluate expressions using parentheses, brackets, and braces
- **Numerical Expressions:** write and interpret expressions (no variables)
- **Patterns:** generate and analyze numerical patterns
- **Relationships Between Patterns:** identify and explain relationships between two patterns

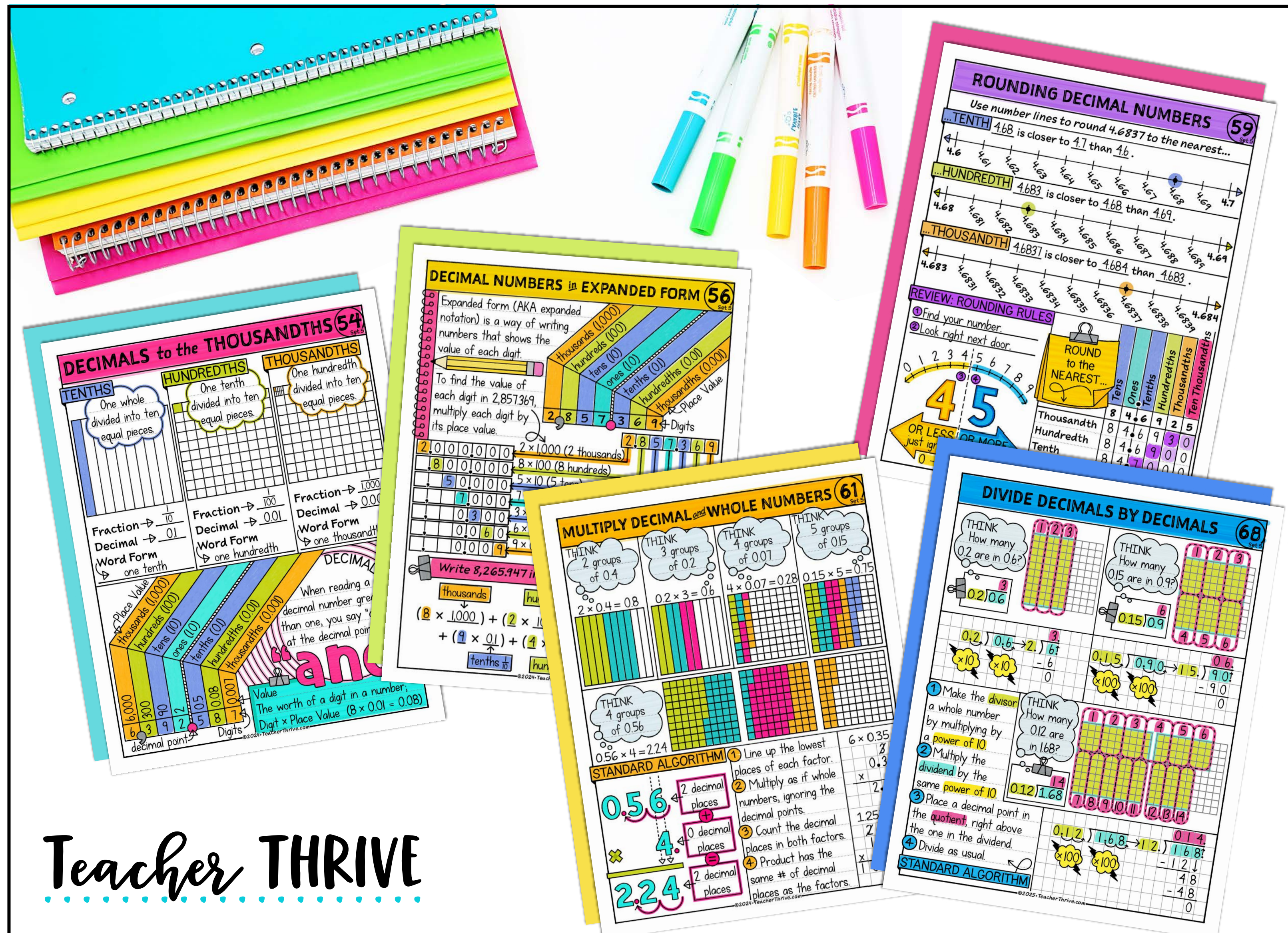


Teacher THRIVE

5th GRADE MATH SKETCH NOTES YEAR-LONG BUNDLE

BASE TEN: NUMBERS & OPERATIONS

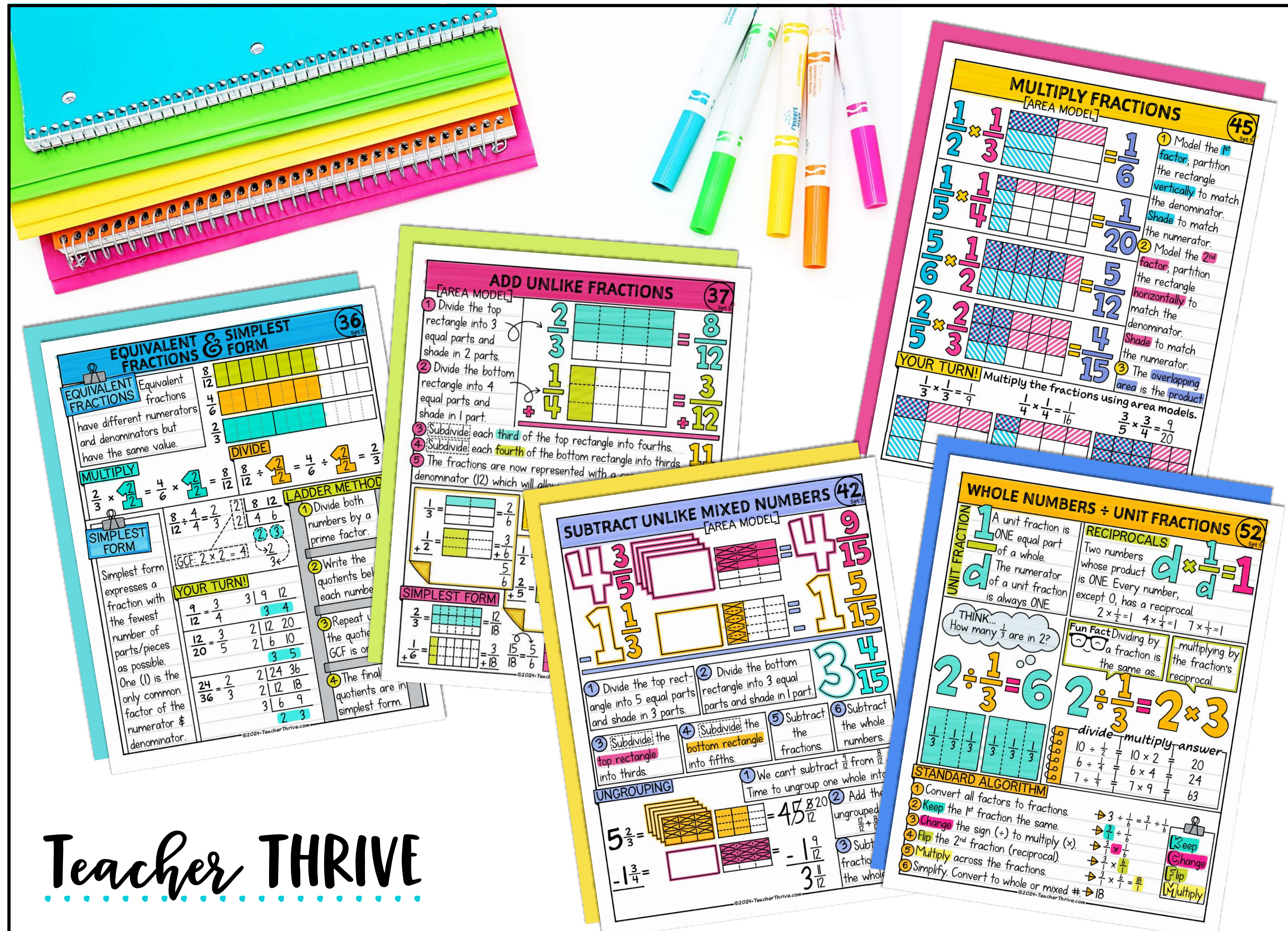
- **Place Value (Decimals):** understand place value to thousandths
- **Comparing Decimals:** compare and order to thousandths
- **Rounding Decimals:** round to any place value
- **Multi-Digit Operations:** fluency with whole number multiplication and division
- **Decimal Operations:** (add/subtract) align place values and compute, multiply decimals to hundredths, divide decimals by whole numbers and decimals



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FRACTIONS: NUMBERS & OPERATIONS

- **Equivalent Fractions:** generate and use to simplify and compare
- **Addition & Subtraction:** unlike denominators (including mixed numbers)
- **Multiplying Fractions:** fraction $\times$ fraction and fraction $\times$ whole number
- **Division of Fractions:** divide unit fractions and whole numbers

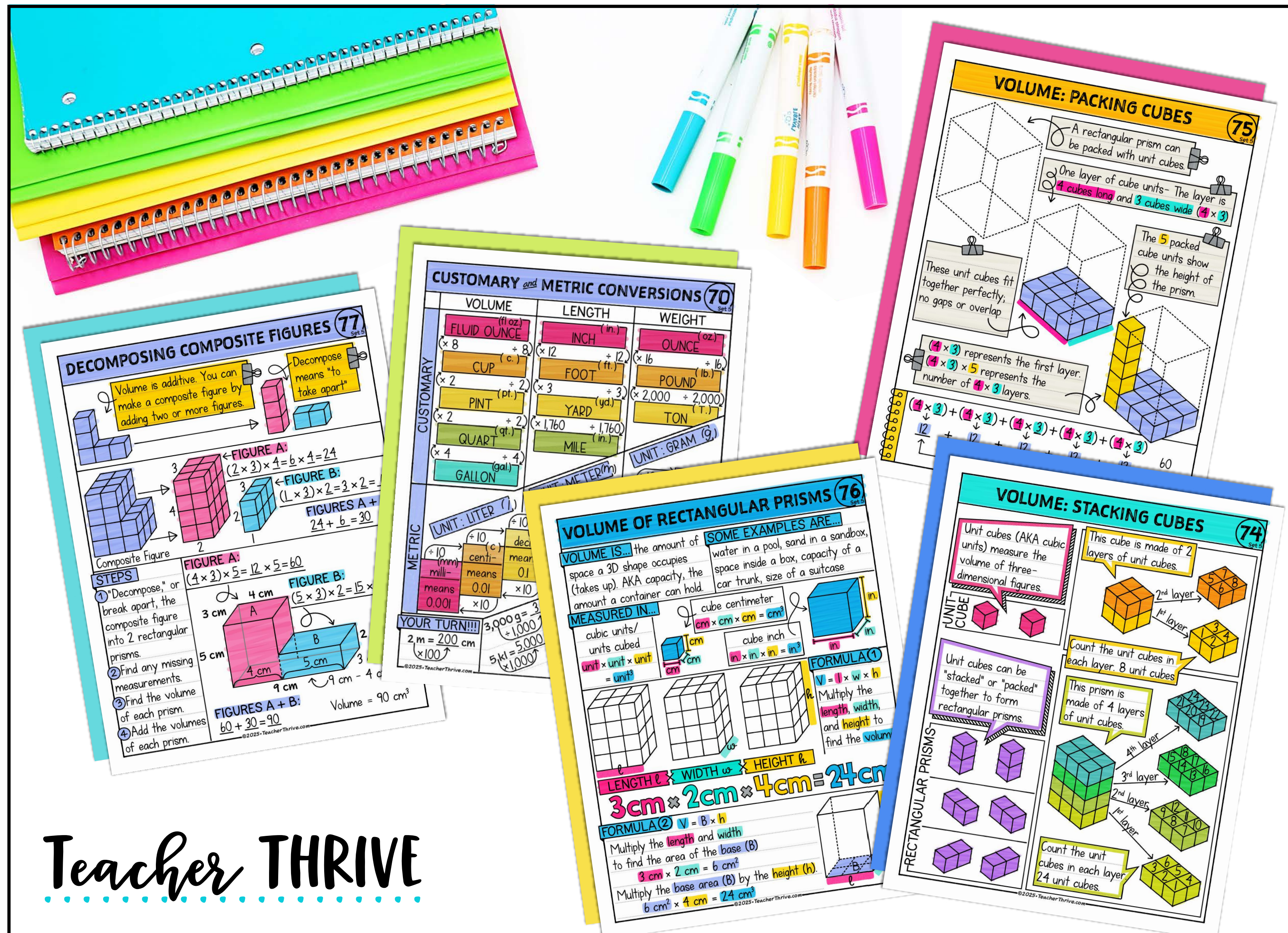


Teacher **THRIVE**

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MEASUREMENT & DATA

- **Unit Conversions:**
convert within and across measurement systems
- **Volume Concepts:**
understand volume as packing/unit cubes
- **Volume Formulas:**
find volume of rectangular prisms ($V = l \times w \times h$)

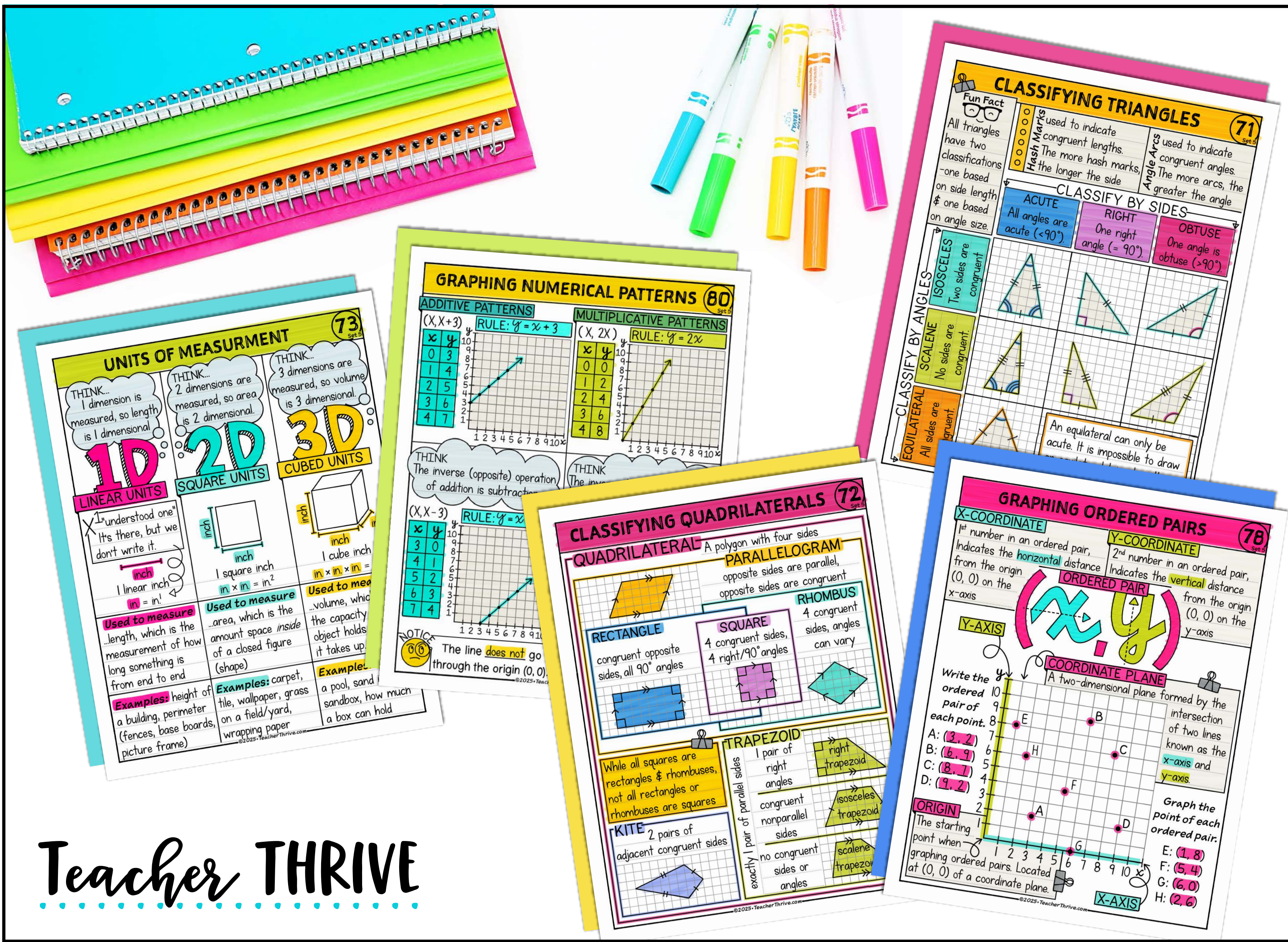


Teacher THRIVE

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GEOMETRY

- **Coordinate Plane**
graph and interpret points in the first quadrant
- **Classifying 2D Figures**
classify based on properties (sides, angles)
- **Hierarchies of Shapes**
understand relationships within categories (e.g., all squares are rectangles)



5th GRADE MATH SKETCH NOTES YEAR-LONG BUNDLE

COMPREHENSIVE & SYSTEMATIC

This is a comprehensive sketch notes collection that covers core fifth grade mathematics standards with **visual guided note-taking** pages for every major concept.

This bundle includes dozens of topics that span the **entire fifth grade math curriculum**, offering teachers a complete set of visual notes for **daily instruction, independent practice, review**, or **interactive notebooks**.

80 Units Included:

1. Place Value to 100,000,000
2. Expressing Number Values [Whole Numbers]
3. Base 10 Place Value Patterns [Whole Numbers]
4. Order and Comparing [Whole Numbers]
5. Add and Subtract Multi-Digit [Whole Numbers]
6. Properties of Addition
7. Rounding Whole Numbers
8. Estimating Sums and Differences
9. Exponents and Powers of 10
10. Multiplying by Powers of 10
11. Place Value and 2-Digit Multiplication
12. Multi-Digit Multiplication Standard Algorithm
13. Properties of Multiplication
14. Distributive Property (Over +/ -)
15. Estimating Products
16. Long Division and Place Value
17. Divide Compatible Numbers
18. Estimating Quotients [2-Digit Divisors]
19. Dividing by Powers of 10
20. Long Division Strategies/Models
21. Area Model 2-Digit Divisor
22. Partial Quotients 2-Digit Divisor
23. Long Division with a Two-Digit Divisor [Standard Algorithm]
24. Long Division and Interpreting Remainders
25. Order of Operations [PEMDAS]
26. Numerical Expressions
27. Algebraic Expressions
28. Divisibility Rules
29. Multiples and Factors
30. Prime and Composite Numbers
31. Prime Factorization Trees

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80 Units Included:

- | | |
|--|---|
| 32. Prime Factorization Ladder Method | 44. Subtract Unlike Mixed Numbers
[Standard Algorithm, Ungrouping] |
| 33. Greatest Common Factor (GCF) | |
| 34. Least Common Multiple (LCM) | 45. Multiplying Fractions
[Area Model] |
| 35. LCM and GCF Ladder Method | |
| 36. Equivalent Fractions and Simplest Form | 46. Multiplying Fractions
[Standard Algorithm] |
| 37. Adding Fractions with Unlike Denominators [Area Model] | 47. Multiplying Fractions and Whole Numbers |
| 38. Subtracting Fractions with Unlike Denominators [Area Model] | 48. Scaling with Fractions |
| 39. Mixed Numbers and Improper Fractions | 49. Multiply Whole Numbers and Mixed Numbers |
| 40. Add and Subtract Unlike Fractions
[Standard Algorithm] | 50. Multiply Fractions and Mixed Numbers |
| 41. Add Mixed Numbers [Area Model] | 51. Fractions as Division |
| 42. Subtract Mixed Numbers
[Area Model] | 52. Whole Numbers Divided by Unit Fractions |
| 43. Add Unlike Mixed Numbers
[Standard Algorithm, Regrouping] | 53. Unit Fractions Divided by Whole Numbers |
| | 54. Decimals to the Thousandths |

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80 Units Included:

55. Decimal Numbers in Word Form
56. Decimal Numbers in Expanded Form
57. Decimal Place Value Patterns
58. Compare and Order Decimal Numbers
59. Rounding Decimal Numbers
60. Add and Subtract Decimal Numbers
61. Multiply Whole Numbers by Decimals
62. Multiply Decimals w/ Area Models
63. Multiply Decimals [Standard Algorithm]
64. Multiplying Decimals by Powers of Ten
65. Dividing Decimals by Powers of Ten
66. Divide Decimals by Whole Numbers
67. Divide Whole Numbers by Decimals
68. Divide Decimals by Decimals
69. Understanding Remainders When Dividing Decimals
70. Converting Metric and Customary Units
71. Classifying Triangles
72. Classifying Quadrilaterals
73. Units of Measurement (1D, 2D & 3D)
74. Volume: Packing Cubes
75. Volume: Stacking Cubes
76. Volume of Rectangular Prism (Formula)
77. Volume: Decomposing Composite Figures
78. Graphing Ordered Pairs on a Coordinate Plane
79. Analyze Number Patterns and Relationship
80. Graph Number Patterns

5th GRADE MATH SKETCH NOTES YEAR-LONG BUNDLE

PROVIDED IN
TWO FORMATS

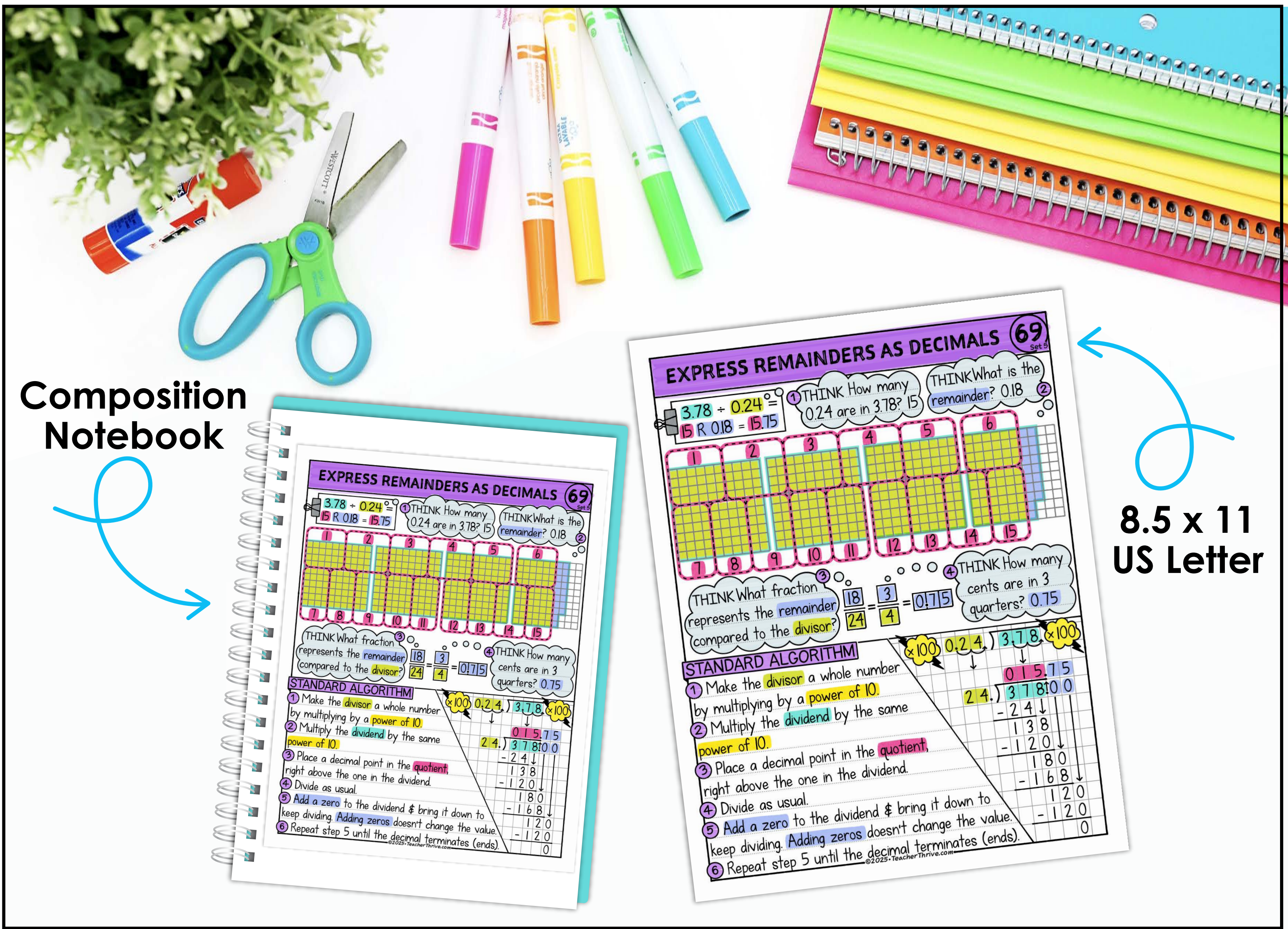
Every doodle page is provided in **two formats**.

If you are using Interactive Notebooks with your students, you can print a version that will fit perfectly inside a **composition notebook**.

You can also print the full-page version on **8.5 x 11 US letter** paper.

Composition
Notebook

8.5 x 11
US Letter



5th GRADE MATH SKETCH NOTES YEAR-LONG BUNDLE

STEP-BY-STEP POWERPOINTS

No prep required!

Guide your students through every step of these notes with detailed **PowerPoints**.

PowerPoints can be uploaded to Google Drive and opened in **Google Slides**.



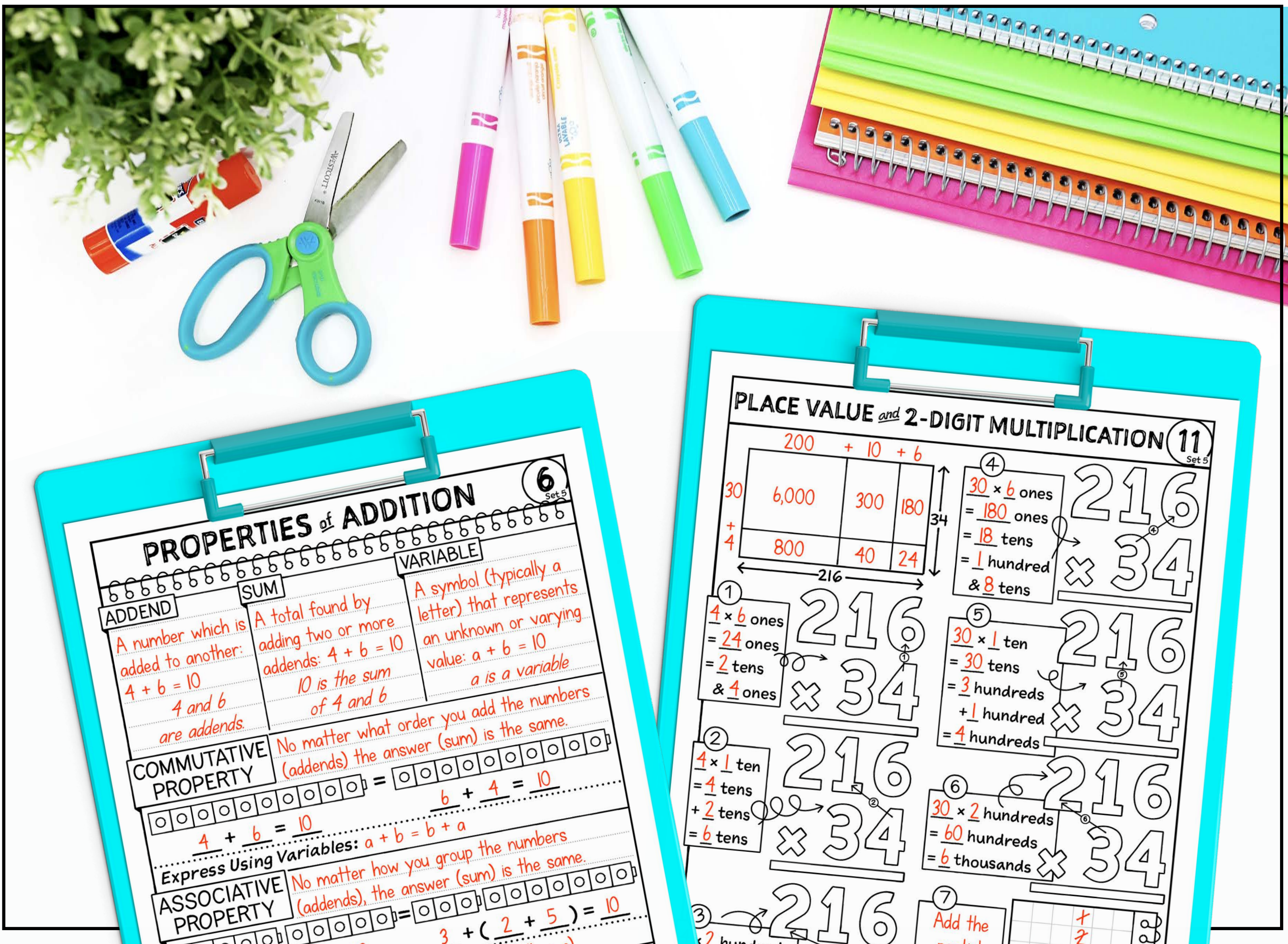
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DETAILED ANSWER KEYS

Begin teaching with
the end result in mind!

Understand exactly
what the final product
should look like with
clear, explicit answer
keys.

Includes answer keys
for every sketch notes
page in the bundle.



PROPERTIES of ADDITION

ADDEND
A number which is added to another:
 $4 + b = 10$
4 and b are addends.

SUM
A total found by adding two or more addends:
 $4 + b = 10$
10 is the sum of 4 and b.

VARIABLE
A symbol (typically a letter) that represents an unknown or varying value:
 $a + b = 10$
a is a variable.

COMMUTATIVE PROPERTY
No matter what order you add the numbers (addends) the answer (sum) is the same.
 $4 + b = 10$
 $b + 4 = 10$

ASSOCIATIVE PROPERTY
No matter how you group the numbers (addends), the answer (sum) is the same.
 $3 + (2 + 5) = 10$

PLACE VALUE and 2-DIGIT MULTIPLICATION

Place Value Chart:

200	+ 10	+ 6
6,000	300	180
800	40	24

Multiplication Problems:

1. 4×6 ones = 24 ones = 2 tens & 4 ones

2. 4×1 ten = 4 tens + 2 tens = 6 tens

3. 30×6 ones = 180 ones = 18 tens = 1 hundred & 8 tens

4. 30×1 ten = 30 tens = 3 hundreds + 1 hundred = 4 hundreds

5. 30×2 hundreds = 60 hundreds = 6 thousands

6. Add the

More Fifth Grade Resources!

EVERYTHING YOU NEED TO TEACH

Fifth Grade Grammar

YEARLONG BUNDLE

Explicitly teach, reinforce, and assess essential grammar skills with an easy-to-follow weekly schedule.

- PowerPoints
- Practice Printables
- Task Cards
- Sketch Notes
- Assessments
- Notebook Activities

MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY

Grammar Spiral Review

YEAR LONG
• 36 WEEKS •

5th Grade

100% EDITABLE STUDENT PAGES

Math Spiral Review

YEAR LONG
• 36 WEEKS •

5th Grade

100% EDITABLE STUDENT PAGES

FIFTH GRADE MATH SKETCH NOTES BUNDLE

COVERS 80 TOPICS

Reading Spiral Review

YEAR LONG
• 36 WEEKS •

Covers all fiction and nonfiction reading standards

Student question pages are 100% EDITABLE!

4th Grade

MORNING WORK • HOMEWORK • CLOSE READING • TEST PREP

Weekly Grammar Assessments

YEAR LONG
• 36 WEEKS •

The perfect Friday quiz to wrap up your weekly Grammar Spiral Review

5th Grade

100% EDITABLE STUDENT PAGES

Weekly Math Assessments

YEAR LONG
• 36 WEEKS •

The perfect Friday quiz to wrap up your weekly Math Spiral Review

5th Grade

100% EDITABLE STUDENT PAGES

NONFICTION TEXT STRUCTURES

GRADE 5

PRINT & DIGITAL VERSIONS ARE INCLUDED

LEVELED PASSAGES • GRAPHIC ORGANIZERS • KEYWORD ANALYSES • TEXT-DEPENDENT QUESTIONS • ASSESSMENTS