

What is Common Sense Math?

Supplemental tools for lesson delivery. CSM differentiates instruction & integrates strategies while developing, & connecting, number sense, estimation, computation skills, mental math strategies & vocabulary from K to 12.

A COMMON THREAD FOR

- ★ Differentiated Instruction, Marzano, and Multiple Intelligences
- ★ PLC's & Cross-Curricular Activities
- ★ MTSS (Tier 1, Tier 2, Tier 3)
- ★ Literacy First Strategies
- ★ Kagan & Ruby Payne Concepts
- ★ Intervention & Resource Services
- ★ Peer-Tutoring and Volunteers
- ★ Teacher Collaboration & TEAMS
- ★ Technology & Student Computers
- ★ Parents as Partners

Created for teachers, by a teacher!

If we don't move students away from crutches (i.e., fingers, charts, grids, calculators, posters) on common sense skills, they risk being dependent on them forever.



www.commonsemath.com

Phone: 316-207-4146

Fax: 316-722-8142

E-mail: karla@commonsemath.com



Tips,
Tricks
& Tools
to
Develop
Number Sense
and
Differentiate
Instruction
that will
Help Student
Achievement

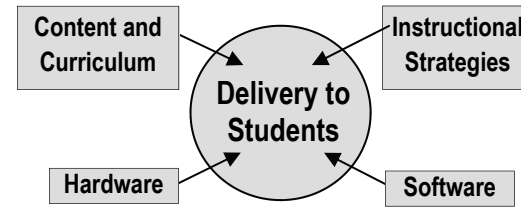
“Get students participating in their own learning!”

Pre-made content that focuses on delivery, instruction, and student learning that connects school & home.

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EFFECTIVE DELIVERY

“It all comes together in the classroom!”



The Right Content with Effective Delivery can. . .

- ★ **Improve Student Achievement**
Data shows significant growth in performance
- ★ **Ease Teacher Delivery & Instruction**
Pre-made - Save time and focus on students
- ★ **Maximize Class Time**
Do 10, 20, 30 . . . or more problems daily
- ★ **Promote Student Success**
Review, Teach, Re-Teach, Build, Practice, Extend
- ★ **Differentiate Instruction**
Something for all levels & styles of learners
- ★ **Get Students Participating in their Own Learning** at school and home
- ★ **Integrate High-Yield, Research-Based Instructional Strategies**
- ★ **Maximize Teacher Delivery with Technology**
Use current hardware, software, “clickers”
- ★ **Maximize Student Computers**
In labs, on carts or 1:1 individual computers
- ★ **Give Consistency at Every Tier & Place**
Connect Classroom, Intervention Services, & Home
- ★ **Empower Parents as Partners**
Online access for home; try “Parent Math Nights”



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PRE-MADE CONTENT

Fill Gaps, Supplement, and Connect Current Curriculum K through 12

- ★ Number Sense
- ★ Estimation
- ★ Computation
- ★ Mental Math
- ★ Vocabulary
- ★ Short-Cut Patterns

STANDARDS BASED “WORKOUTS”

Early Elementary K—2	Coordinate System
Addition & Subtraction Facts	Transformations
Multiplication & Division Facts	Mean, Mode, Median, Range
Counting Concepts	Trends & Misleading Graphs
Counting Money w/Properties	Simple Probability
Combinations of 100's	Compound Probability
Mental Math & Properties	Independent Probability
Split & Solve	Dependent Probability
Group & Order	Converting Probability & Odds
Zero Strategy	Measurement Facts
Short-Cut Division	Sensible Measures
Compensation	Customary Conversion
Telling Time	Metric Conversion
Zero Strategy with Decimals	Perimeter, Area, Volume
Group & Order Decimals	Lines & Angles
Multiply by #'s between 0 & 1	Classify Triangles / Angles
Integer Computation	Missing Angles
Absolute Value	Complementary/Supplementary
Estimation	Identify Polygons
Place Value	Congruent & Similar
<, >, = to Compare #'s	Corresponding Sides & Angles
Divisibility Rules	Shapes & Formulas
Fractions, Decimals, Percents	Polyhedron Nets
Mental Percent of Numbers	Pythagorean Theorem
Reading, Fractions & Percents	Pythagorean Triples
Order of Operations	Combining Like Terms
Exponents & Square Roots	1 & 2-Step Integer Equations
Squaring 2-Digit # Short-Cut	1 & 2-Step Whole # Equations
Prime & Composite	Simplifying Monomials
Scientific Notation	Multiplying Binomials
Multiples & Factors	Distributive Property & Factoring
Lowest Terms	Distributive Property & Fractions
Common Denominators	Factoring Polynomials
Mixed & Improper Fractions	Nth Term Rule & Patterns
Compare Fractions	Identify Slope & y-Intercept
Estimate Fractions	Std & Slope-Intercept Equations
Multiply & Divide Fractions	Slope from 2 Points
Ratios, Rates, Unit Rates	Slope & Parallel Lines
Proportions & Scale	Slope & Perpendicular Lines

