More than 2,500
Making Algebra Child’s Play®
workshops conducted since 1990.
Hands-On Equations®
The classic program for introducing students to algebraic linear equations
Used by more than 50,000 teachers

1. Making Algebra Child’s Play® (3 – 9). Provide your young students with a concrete and pictorial introduction to algebraic linear equations. In just 6 lessons they will be solving equations such as $4x + 3 = 3x + 9$ and $2(2x + 3) = 3x + 7$ while having fun. Apply the concepts learned to the solution of simple verbal problems, such as Sally is 4 years older than Tim. If the sum of their ages is 20, how old is each? Learn techniques for teaching addition and subtraction of integers, and much more.

2. Demystifying Verbal Problems (5 - 9). Apply the methods of Hands-On Equations to the solution of verbal problems, including age, consecutive number, and distance problems. Learn a 5-step approach your students can follow to represent and solve verbal problems concretely and pictorially. Example: Find three consecutive numbers such that triple the last number gives the same result as twice the sum of the first two numbers.

Developing Fractions Sense®
Learn sense-making approaches to presenting the CCSS fraction standards for grades 3 - 5

3. Developing Fractions Sense 3 & 4. See how you can use fraction blocks, rectangular grids and number lines to provide your students with a strong foundation in the grades 3 and 4 fraction standards. Experience concrete and visual approaches to fraction equivalence, comparing fractions using a benchmark, and subtracting mixed fractions using addition. Example: Use a rectangular grid to show that $4/5 > 2/3$.

4. Developing Fractions Sense 5. Simplify the teaching of subtracting mixed fractions with different denominators with our innovative addition method. Provide your students with a concrete and intuitive approach to fraction multiplication, and much more. Example 1: Use your fraction blocks to find the product $3/5 \times 2\ 1/2$. Example 2: Provide a visual demonstration that $1/3 \div 4 = 1/12$.

Note: Developing Fractions Sense 4 is also available on its own as a full-day workshop.

Excellent Half-Day Staff Development Workshop

5. Hands-On Equations Fractions (5 – 9). Provide your students with a concrete introduction to fractional linear equations. They will learn to solve equations such as $2y - 1/2 y + 2 = y + 1/6 y + 10$ using the fraction blocks, and equations such as $3/4 y + y + 2 = 5/8 y + 20$ abstractly. This program will strengthen your students’ understanding of unit fractions, fraction equivalence and the algebraic principles used in solving linear equations.

Visit www.borenson.com for a more in-depth description of each workshop.
To schedule a workshop, please write to info@borenson.com or call 800-993-6284.
Hands-On Equations provides an intuitive and successful introduction to algebraic linear equations. See how $4x + 3 = 3x + 9$ becomes child’s play!

C-1010: Class Set of Hands-On Equations for 10 Students. $145
C-1020: Class Set of Hands-On Equations for 20 Students. $195
C-1030: Class Set of Hands-On Equations for 30 Students. $245
S-1000: The Hands-On Equations Learning System. $34.95

Hands-On Equations Fractions provides a concrete introduction to fractional linear equations. Demystify $\frac{2}{3}y + 3 = \frac{1}{4}y + 12$ for your 5th graders and up!

HF-C1010: Class Set of HOE Fractions for 10 Students. $94.50
HF-C1020: Class Set of HOE Fractions for 20 Students. $159.50
HF-C1030: Class Set of HOE Fractions for 30 Students. $224.50
HF-1000: The HOE Fractions Learning System. $29.50

Developing Fractions Sense® A
(Grade 3)

This program consists of 32 short lessons and 5 enrichment lessons. Fraction blocks, rectangular grids, and number lines are used to provide students with a strong foundation for learning the grade 3 CCSS fraction standards.

DFS-C1010A: Developing Fractions Sense A for 10 Students. $65
DFS-C1020A: Developing Fractions Sense A for 20 Students. $120
DFS-C1030A: Developing Fractions Sense A for 30 Students. $175
DFS-1000A: Developing Fractions Sense A Teacher Set. $9.95

Developing Fractions Sense® B
(Grade 4)

This program consists of 45 lessons. Students are provided with a concrete or pictorial introduction to the grade 4 CCSS fraction standards prior to being shown arithmetic approaches. There is a special focus on benchmark fractions.

DFS-C1010B: Developing Fractions Sense B for 10 Students. $70
DFS-C1020B: Developing Fractions Sense B for 20 Students. $130
DFS-C1030B: Developing Fractions Sense B for 30 Students. $190
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Developing Fractions Sense® C
(Grade 5)

This program consists of 46 short lessons and 3 enrichment lessons. All of the grade 5 CCSS fraction standards are introduced via fraction blocks or rectangular grids. There is a special focus on subtracting mixed fractions using addition and on fraction multiplication.

DFS-C1010C: Developing Fractions Sense C for 10 Students. $75
DFS-C1020C: Developing Fractions Sense C for 20 Students. $140
DFS-C1030C: Developing Fractions Sense C for 30 Students. $205
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A mail-order form is available at the website to download and print.

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Inventor of Hands-On Equations®

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