

Our 25<sup>th</sup> Year of Service!



spring 2012

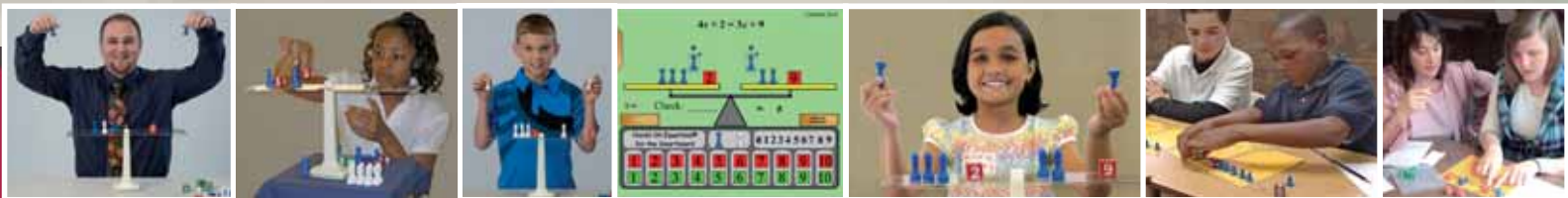
See inside for schedule of public workshops!

Borenson and Associates, Inc.

# Hands-On Equations<sup>®</sup>

Making Algebra Child's Play<sup>®</sup>  
(for grades 3 - 9)

Helps with  
Common  
Core Math  
Standards!



Borenson and Associates, Inc.  
[www.borenson.com](http://www.borenson.com)

More than 2,500  
*Making Algebra Child's Play<sup>®</sup>*  
workshops conducted since 1990.

Spring 2012 Edition



# Hands-On Equations®

## Day 1 Making Algebra Child's Play® (for teachers of grades 3 to 9)



### Demystifying the Learning of Algebra

Algebraic thinking is an important strand in both the NCTM and the Common Core Math Standards. Yet, for many students, the abstract nature of algebra poses a formidable challenge.

In this workshop you will see how the visual and kinesthetic approach of Hands-On Equations demystifies the learning of algebra, thereby providing students with a foundation for algebraic thinking and for a traditional Algebra 1 course. Since algebra is the language of mathematics, success with algebra is essential to the further study of mathematics and science.

**Balancing equations with unknowns on both sides becomes child's play!**

- Learn how to concretely model algebraic linear equations
- Learn an intuitive way to teach the distributive property
- Enable your students to understand and solve equations such as  $4x + 2 = 2x + 10$  and  $2(2x+3) = 3x + 7$  in just seven lessons
- Learn the pictorial representation for solving equations
- Learn the power of a concrete and pictorial approach to verbal problems  
Example: "Sally is 4 years older than Tim. If the sum of their ages is 20, how old is each?"
- Learn an intuitive way to teach the properties of equality and the properties of additive inverse and additive identity
- Learn a meaningful way to teach addition and subtraction of integers
- Experience the "teacher-as-the-coach" mode of instruction
- Understand the power of Piagetian learning
- Learn how to enhance student mathematical communication

### Common Core Math Standards:

This workshop will enable you to assist your students in meeting common core standards related to algebraic thinking, modeling with mathematics, making use of structure, and solving linear equations and word problems.

### What you will receive:

Each participant will receive the Hands-On Equations Learning System (complete program for use with one student at a time). Morning tea/coffee and lunch are included in the registration fee.

### Recommended for:

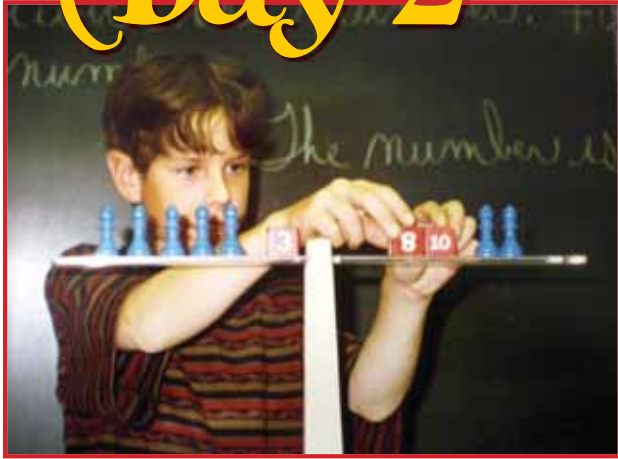
This workshop is recommended for teachers of grades 3 to 9, teachers of special education students (grades 4 – 12) and teachers of high school students struggling with algebra. Mathematics supervisors will find this workshop of particular value.



# Hands-On Equations®

## Day 2

### Demystifying Verbal Problems (for teachers in grades 3 to 9)



Many students and adults are frightened when they see verbal problems. They do not know how to visualize the problem or where to begin.

Yet, when students work with the unknown in a less abstract format, they can make significant progress. In this workshop we present a five-step approach enabling students to process the information in the problem and to represent the problem visually by means of concrete or pictorial equations

*“This is a game changer.”*- Workshop participant

**You will be delighted to see how a visual representation can enable your students to solve problems such as:**

- Four times a number, increased by 2, is the same as three times the number, increased by 9. Find the number.
- Sarah played the piano three days in a row. Each day she played twice as long as the previous day. If she played 24 minutes on the last day, how many minutes did she play on the first day?
- The length and width of a rectangle are  $2x$  and  $x+1$ , respectively. If the perimeter of the rectangle is 38, how long is each side?
- $\frac{2}{3}$  of a number increased by 4, is the same as  $\frac{1}{3}$  of the number, increased by 8. Find the number.
- Two wagons leave the same location and travel in opposite directions. One wagon goes 6 miles per hour faster than the other. The slower wagon leaves at noon, while the faster one leaves at 2:00 pm. If at 4:00 pm the wagons are 36 miles apart, how fast does each wagon travel? (PICTORIAL)
- Jose is 6 years younger than twice Juan’s age. In 5 years, Juan will be Jose’s present age. How old is each?
- The sum of two numbers is 10. Twice the first number, increased by the second, is 18. Find the numbers.

#### Common Core Math Standards:

This workshop will enable you to assist your students in meeting common core standards related to algebraic thinking, modeling with mathematics, and solving word problems algebraically.

#### What you will receive:

Each participant of this workshop will receive the Hands-On Equations Verbal Problems Introductory Workbook and the Hands-On Equations Verbal Problems Book, as well as a student set of game pieces. Morning tea/coffee and lunch are included in the registration fee.

#### Recommended for:

The Day2: Demystifying Verbal Problems workshop is designed for teachers of mathematics of grades 3 – 9 and teachers of older students struggling with word problems. Mathematics supervisors will find this workshop of particular value.

Note: Previous experience with Hands-On Equations and/or attendance at a full-day Making Algebra Child’s Play workshop is a prerequisite for attending this workshop.

*“For the first time in my life, not only did I understand complicated word problems, I had the tools to manipulate and visualize them!”*- Workshop participant



# Research Results

Hands-On Equations® Research, Interim Report Nov. 19, 2007

## A Comparison of Algebra Achievement by 4<sup>th</sup>, 6<sup>th</sup> and 8<sup>th</sup> Graders

By Henry Borenson and Larry W. Barber

	Pre-test	Post-test after Lesson #6 with game pieces	Post-test after Lesson #7 without game pieces
Grade 4, n=123 Study #59a	<b>30.2%</b> (m=1.81)	<b>84.0%</b> (m=5.04) t(P, P6) = 22.62	<b>88.7%</b> (m=5.32) t(P, P7) = 29.70
Grade 6, n=190 Study #102b	<b>48.2%</b> (m=2.89)	<b>92.3%</b> (m=5.54) t(P, P6) = 25.15	<b>94.0%</b> (m=5.64) t(P, P7) = 22.48
Grade 8, n=105 Study #105a	<b>64.8%</b> (m=3.89)	<b>87.7%</b> (m=5.26) t(P, P6) = 8.895	<b>89.0%</b> (m=5.34) t(P, P7) = 9.99

The result of three research studies involving a total of 22 classrooms and 418 students is summarized above. The percentages shown are the grade group averages for the given test. We note that at each grade level 1) the students had a large gain from the pre-test to each of the post-tests, 2) the students did equally well using the pictorial notation (last column) as they did in using the game pieces (middle column), and 3) **the program is age blind: the 4<sup>th</sup> graders did as well as the 6<sup>th</sup> and 8<sup>th</sup> graders.** The full report can be found on the research page of [www.borenson.com](http://www.borenson.com). **Pre-test questions: a.**  $2x = 8$ , **b.**  $x + 3 = 8$ , **c.**  $2x + 1 = 13$ , **d.**  $3x = x + 12$ , **e.**  $4x + 3 = 3x + 6$ , **f.**  $2(2x + 1) = 2x + 6$ .

Hands-On Equations® Research, Interim Report March 17, 2008

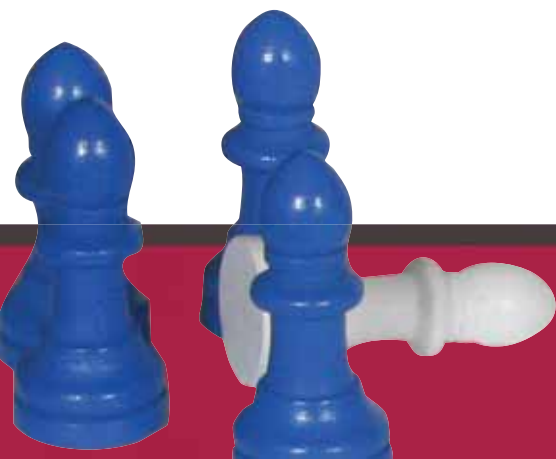
## The Effect of Hands-On Equations® on the Learning of Algebra by 4<sup>th</sup> and 5<sup>th</sup> Graders of Broward County

By Henry Borenson and Larry W. Barber

	Pre-test Equation	Pre-test	Retention-test	Retention-test Equation
Question #1	$2x = 8$	48%	92%	$2x = 4$
Question #2	$x + 3 = 8$	70%	89%	$x + 3 = 13$
Question #3	$2x + 1 = 13$	22%	82%	$2x + 1 = 17$
Question #4	$3x = x + 12$	9%	86%	$3x = x + 14$
Question #5	$4x + 3 = 3x + 6$	8%	79%	$4x + 3 = 3x + 8$
Question #6	$2(2x + 1) = 2x + 6$	8%	59%	$2(2x + 3) = 2x + 10$

Grade 4, n=111. Study 131MA Regular Students  
Percentage of Students with Correct Item Response

The table above shows the gain the 4<sup>th</sup> graders made in only seven lessons. 79% of these 4<sup>th</sup> graders, which included students from the inner city, were able to successfully solve the equation  $4x + 3 = 3x + 8$  after seven lessons of instruction. It is worth noting that the retention test was administered three weeks after instruction in Lesson #7, with no Hands-On Equations® instruction in the interim. **Furthermore, the retention test was taken without the use of the game pieces.** The full report can be found on the research page of [www.borenson.com](http://www.borenson.com).





Staff Development

# Hands-On Equations® Staff Development



Webinars

## ON-SITE TRAINING.

**Day1: Making Algebra Child's Play®** (grades 3 – 9)

**Day2: Demystifying Verbal Problems** (grades 3 – 9)

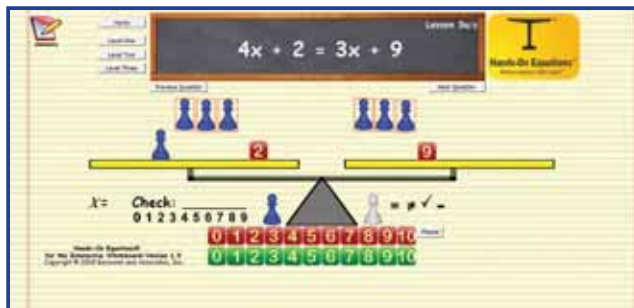
*"With these ideas, even my students who perform below grade level will have a sense of success."* - Workshop participant



### FREE ON-SITE STAFF DEVELOPMENT.

Purchase thirty class sets of HANDS-ON EQUATIONS® for Teacher and Thirty (30) Students and receive the training absolutely free.

**Call 800-993-6284**



### FREE INTRODUCTORY WEBINARS.

Look for the next 45-minute introductory webinar at [www.borenson.com](http://www.borenson.com) or call 800-993-6284 to schedule a free introductory webinar for your district.



### HANDS-ON EQUATIONS®

Borenson and Associates, Inc.  
P.O. Box 3328, Dept. B, Allentown, PA 18106  
(800) 993-6284 • Fax (610) 398-7863  
[www.borenson.com](http://www.borenson.com)



“ I finished workshop Day2 today, and I'm so excited to finally introduce algebra to my students in a fun and exciting way. ”



## Day1: Making Algebra Child's Play® Day2: Demystifying Verbal Problems

State	City	Date
AL	Huntsville	Mon-Apr-30
	Huntsville	Tue-May-01
	Mobile	Mon-Mar-26
	Mobile	Tue-Mar-27
AR	Jonesboro	Thu-Apr-19
	Jonesboro	Fri-Apr-20
AZ	Flagstaff	Thu-May-10
	Flagstaff	Fri-May-11
	Phoenix	Tue-May-15
	Phoenix	Wed-May-16
CA	Bakersfield	Tue-Mar-27
	Bakersfield	Wed-Mar-28
	Costa Mesa	Tue-Mar-20
	Costa Mesa	Wed-Mar-21
	Stockton	Tue-Apr-17
	Stockton	Wed-Apr-18
CT	Farmington	Tue-Apr-17
	Farmington	Wed-Apr-18
FL	Miami	Thu-May-10
	Miami	Fri-May-11
	Panama City	Thu-Mar-29
	Panama City	Fri-Mar-30
	Sarasota	Thu-May-10
	Sarasota	Fri-May-11
GA	Macon	Wed-Mar-21
	Macon	Thu-Mar-22
IL	Schaumburg	Thu-May-03
	Schaumburg	Fri-May-04
	Springfield	Tue-May-01
	Springfield	Wed-May-02
KS	Wichita	Tue-May-15
	Wichita	Wed-May-16
KY	Bowling Green	Tue-Mar-20
	Bowling Green	Wed-Mar-21
LA	Lafayette	Wed-May-02
	Lafayette	Thu-May-03
MD	Frederick	Thu-May-17
	Frederick	Fri-May-18
	Hunt Valley	Mon-May-07
	Hunt Valley	Tue-May-08

State	City	Date
MI	Southfield	Tue-Apr-17
	Southfield	Wed-Apr-18
MO	Columbia	Mon-May-07
	Columbia	Tue-May-08
NC	Asheville	Wed-Mar-21
	Asheville	Thu-Mar-22
	Charlotte	Mon-Mar-19
	Charlotte	Tue-Mar-20
NJ	Red Bank	Wed-Mar-21
	Red Bank	Thu-Mar-22
NM	Rio Rancho	Thu-Apr-19
	Rio Rancho	Fri-Apr-20
NY	White Plains	Mon-Apr-30
	White Plains	Tue-May-01
	Rochester	Mon-Mar-19
	Rochester	Tue-Mar-20
OH	Cleveland	Thu-May-17
	Cleveland	Fri-May-18
	Hamilton	Wed-Mar-28
	Hamilton	Thu-Mar-29
OR	Tigard	Wed-May-09
	Tigard	Thu-May-10
TN	Kingsport	Thu-Apr-19
	Kingsport	Fri-Apr-20
	Memphis	Thu-Mar-29
	Memphis	Fri-Mar-30
TX	Arlington	Mon-May-14
	Arlington	Tue-May-15
	Wichita Falls	Thu-May-03
	Wichita Falls	Fri-May-04
UT	Ogden	Mon-Mar-19
	Ogden	Tue-Mar-20
VA	Arlington	Mon-Mar-19
	Arlington	Tue-Mar-20
	Roanoke	Thu-Mar-22
	Roanoke	Fri-Mar-23
WA	Puyallup	Wed-Mar-28
	Puyallup	Thu-Mar-29
WI	Brookfield	Thu-Mar-22
	Brookfield	Fri-Mar-23



# Workshop Sites Hotel Information

spring 2012

State	City	Hotel	Address	Zip	Phone
AL	Huntsville	Courtyard Huntsville	4804 University Drive NW	35816	(256) 837-1400
	Mobile	Courtyard Marriott Mobile/Daphne, Eastern Shore	13000 Cypress Way, Spanish Fort	36527	(251) 370-1161
AR	Jonesboro	Hilton Garden Inn Jonesboro	2840 South Caraway Road	72401	(870) 931-7727
AZ	Flagstaff	Embassy Suites Flagstaff	706 South Milton Road	86001	(928) 774-4333
	Phoenix	Courtyard Phoenix Camelback	2101 East Camelback Road	85016	(602) 955-5200
CA	Bakersfield	Hilton Garden Inn Bakersfield	3625 Marriott Drive	93308	(661) 716-1000
	Costa Mesa	Residence Inn Costa Mesa Newport Beach	881 West Baker Street	92626	(714) 241-8800
	Stockton	Courtyard Stockton	3252 West March Lane	95219	(209) 472-9700
CT	Farmington	Courtyard Hartford Farmington	1583 Southeast Road	06032	(860) 521-7100
FL	Miami	Residence Inn Miami Airport West/Doral Area	1212 NW 82nd Avenue	33126	(305) 591-2211
	Panama City	Courtyard Panama City	905 East 23rd Place	32405	(850) 763-6525
	Sarasota	Homewood Suites by Hilton Sarasota	3470 Fruitville Road	34237	(941) 365-7300
GA	Macon	Holiday Inn Macon North	3953 River Place Drive	31210	(478) 803-8200
IL	Schaumburg	Residence Inn Chicago Schaumburg	1610 McConnor Parkway	60173	(847) 517-9200
	Springfield	Springfield Courtyard	3462 Freedom Drive	62704	(217) 793-5300
KS	Wichita	Residence Inn Wichita East at Plazzio	1212 North Greenwich	67206	(316) 682-7300
KY	Bowling Green	Hilton Garden Inn	1020 Wilkinson Trace	42103	(270) 781-6778
LA	Lafayette	Courtyard Lafayette Airport	214 East Kaliste Saloom Road	70508	(337) 232-5005
MD	Frederick	Residence Inn Frederick	5230 Westview Drive	21703	(301) 360-0010
	Hunt Valley	Embassy Suites Baltimore - North/Hunt Valley	213 International Circle	21030	(410) 584-1400
MI	Southfield	Hilton Garden Inn Detroit Southfield	26000 American Drive	48034	(248) 357-1100
MO	Columbia	Courtyard Columbia	3301 Lemone Industrial Boulevard	65201	(573) 443-8000
NC	Asheville	Holiday Inn and Suites Downtown	42 Tunnel Road	28805	(828) 225-5550
	Charlotte	Residence Inn Charlotte Uptown	404 South Mint Street	28202	(704) 340-4000
NJ	Red Bank	Courtyard Lincroft Red Bank	245 Half Mile Road	07701	(732) 530-5552
NM	Rio Rancho	Hilton Garden Inn Albuquerque North/Rio Rancho	1771 Rio Rancho Boulevard SE	87124	(505) 896-1111
NY	White Plains	Hyatt house	101 Corporate Park Drive	10604	(914) 251-9700
	Rochester	Courtyard by Marriott Rochester West/Greece	400 Paddy Creek Circle	14615	(585) 621-6050
OH	Cleveland	Cleveland Airport Marriott	4277 West 150th Street	44135	(216) 252-5333
	Hamilton	Courtyard Hamilton	1 Riverfront Plaza	45011	(513) 896-6200
OR	Tigard	Courtyard by Marriott Portland Tigard	15686 SW Sequoia Parkway	97224	(503) 684-7900
TN	Kingsport	LaQuinta Inn & Suites Kingsport TriCities Airport	10150 Airport Parkway	37663	(423) 323-0500
	Memphis	Holiday Inn Select Downtown Memphis	160 Union Avenue	38103	(901) 525-5491
TX	Arlington	Courtyard by Marriott-Dallas Arlington/Entertainment Dist	1500 Nolan Ryan Expressway	76011	(817) 277-2774
	Wichita Falls	Courtyard Wichita Falls	3800 Tarry Street	76308	(940) 696-0010
UT	Ogden	Marriott Ogden Hotel	247 24th Street	84401	(801) 627-1190
VA	Arlington	Residence Inn Arlington Rosslyn	1651 North Oak Street	22209	(703) 812-8400
	Roanoke	Courtyard Roanoke Airport	3301 Ordway Drive	24017	(540) 563-5002
WA	Puyallup	Fairfield Inn & Suites Tacoma/Puyallup	202 15th Avenue SW	98371	(253) 770-3100
WI	Brookfield	Courtyard Milwaukee Brookfield	16865 West Bluemound Road	53005	(262) 821-1800

*From a resource specialist:*

“ I have found your program to be the single most exciting tool I have to give my special ed students access to higher level curriculum. My RSP kids are entering high school prepared to succeed in one of the most difficult hurdles in their high school completion...Algebra.”

# Registration Information

spring 2012

**When** Each workshop day begins at 9:00 a.m. and concludes at 4:00 p.m. Plan to arrive between 8:30 a.m. and 8:45 a.m. for coffee/tea and check-in.

**Registration Information** The registration fee by mail, fax or phone to attend the two-day\* workshops is \$195. This fee includes an individual set of Hands-On Equations (suitable for use with one student at a time) for the Day1 workshop and both the Hands-On Equations Verbal Problems Introductory Workbook and the Hands-On Equations Verbal Problems Book, as well as a student set of game pieces for the Day2 workshop. Morning coffee/tea and lunch is also included, as well as certificates of discount for the purchase of materials (see below). Advance registration is strongly encouraged as space is limited. The registration fee or purchase order is due at the time of registration.

**Online Registration Save \$15!** Register online with an Amex, Visa, MasterCard or purchase order and pay only \$180 per participant to attend this two-day workshop! Online registrations with purchase orders are tentative until faxed copy of the P.O. is received at 610-398-7863.

★ **Group Offer** Submit three paid registrations and receive a fourth registration for free.

**Complimentary Class Set of Materials for Providing Children for the Student Demonstration!** Provide a group of 3rd, 4th and/or 5th graders **without** prior experience with Hands-On Equations for the student demonstration of Day1 and receive a complimentary class set of materials (worth \$295.00) and a complimentary admission to this two-day training.

Provide a group of 4th, 5th or 6th graders who **have** completed at least Level I of Hands-On Equations for the student demonstration of Day2 and receive a complimentary license for one interactive application of Hands-On Equations (worth \$125) and a complimentary admission to this two-day training.

Contact us at 800-993-6284 to see if we are still in need of children for the Day1 or Day2 workshop of interest to you.

**Special Offer for Mathematics Supervisors and District Administrators** If you are a district mathematics supervisor, director of the gifted, director of special education, or a curriculum director, we are able to provide you with a complimentary admission to our two-day workshop (unless the workshop has been canceled or is already full). Please call 800-993-6284 to take advantage of this special offer.

**Certificates of Discount** On the first day of this training participants will receive a \$50 Certificate of Appreciation good towards the purchase of a class set of Hands-On Equations, as well as a Certificate of Appreciation which provides a \$25 discount on the price of the Instructional Video Manual in DVD format.

On the second day of this training, participants will receive a \$50 Certificate of Appreciation good towards the purchase of an interactive application (normally \$125).

**Save S&H on Materials Purchased On-site!** Materials purchased on-site via a check, purchase order or Amex, Visa or MasterCard will be exempt from shipping and handling. Bring your completed order form and/or purchase order to the workshop to take advantage of complimentary shipping and handling on your order!

**Accommodations** Participants are responsible for securing and paying for their own lodging, if needed, and parking fees, if any.

**Register Early.** If you need time to obtain a district purchase order, you may register your teachers online and insert "P.O. to follow" in the box asking for the purchase order number. Alternatively, you may send us an email at [info@borenson.com](mailto:info@borenson.com) advising us of the number of participants you intend to register. Workshops may be cancelled at two weeks prior to the scheduled date if the number of registrations is too low. Do not be disappointed in seeing the workshop you wanted to attend cancelled. Register early.

**Cancellations** You may cancel your registration up to 10 business days prior to the workshop and we will refund your tuition less a \$25 cancellation fee. If you need to cancel within 10 days of the workshop, you may send a substitute from your organization. Please note that if you do not cancel and do not attend or send a substitute you are still responsible for payment.

If a workshop needs to be cancelled by us, due to low registration counts, the registration fee will be refunded and the registrant will be provided with the opportunity to attend a future workshop or webinar at a reduced registration fee. Note: cancellation decisions are made two weeks prior to a scheduled workshop.

**For Further Information** Contact Borenson and Associates, Telephone: 800-993-6284, Fax 610-398-7863; or send your inquiry to [info@borenson.com](mailto:info@borenson.com).

\***Registration for One Day Only** If you only wish to register for one day of this two-day workshop, the mail-in or phone registration fee is \$110; the online it is \$95. See above for certificates of discount to be provided.

*"You've given me the gift of understanding!  
Now I can share that gift with my students!"*

- Workshop participant



08



Hands-On Equations®

Borenson and Associates, Inc. • P.O. Box 3328, Dept. B, Allentown, PA 18106  
(800) 993-6284 • Fax (610) 398-7863 • [www.borenson.com](http://www.borenson.com)

“Hands-On Equations® seems to be a much easier, more logical way to teach equations and integers. I love how you can actually see what happens when solving the equations.”  
- Workshop participant

## Spring 2012 Registration Form

*Yes. Please register me for the full-day workshop(s) noted below.* (Place check mark(s) and enter the requested information)

- Day 1:** Making Algebra Child's Play® (Grades 3 - 9)  
 **Day 2:** Demystifying Verbal Problems (Grades 3 - 9)

Date(s): \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_

**Registrant:** (please **PRINT** and provide complete information, including **E-MAIL** address)

Your Name: \_\_\_\_\_ School Name: \_\_\_\_\_

Correspondence Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip/Postal Code: \_\_\_\_\_

Check here if using your school address

Work Phone: \_\_\_\_\_ Home Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Grade you teach:  3  4-5  6-8  9-12 Students you teach:  Regular  LD  Gifted

### Workshop Registration Fee for Both Days:

(Note: To obtain the online registration fee, you must register online at [www.borenson.com](http://www.borenson.com))

By mail, fax, or phone: \$195 Online: \$180 **Save \$15!**

### Workshop Registration Fee for One Workshop Only:

By mail, fax, or phone: \$110 Online: \$95 **Save \$15!**

**GROUP OFFER.** Submit three (3) paid registrations & receive a fourth *similar* registration FREE!

#### Borenson and Associates, Inc.

P.O. Box 3328, Dept. B

Allentown, PA 18106

Phone (800) 993-6284

Fax (610) 398-7863

E-mail: [info@borenson.com](mailto:info@borenson.com)

### Payment option: (check one)

Check #: \_\_\_\_\_ is enclosed (payable to Borenson and Associates, Inc.)

Purchase order is attached, PO#: \_\_\_\_\_

Billing Organization or Individual: \_\_\_\_\_

Billing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip/Postal Code: \_\_\_\_\_

Work Phone: \_\_\_\_\_ Home Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Charge my:  MasterCard  Visa  Amex

Account Number: \_\_\_\_\_ Exp. Date: \_\_\_\_\_ Name on Card: \_\_\_\_\_

Cardholder Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip/Postal Code: \_\_\_\_\_

Signature Required: \_\_\_\_\_

# Price List 2012



New:  
Grade  
3-8



## The Hands-On Equations® Learning System

Complete program for use with one student. Includes manuals for Levels I, II, III, worksheets, answer key, and one student kit of game pieces with flat laminated balance.

**S-1000 \$34.95**

## Hands-On Equations® Verbal Problems Introductory Workbook

**VP-IW \$20.00**

## Hands-On Equations® Verbal Problems Book

More than 350 verbal problems with solutions. Included in this resource are number, age, coin and distance problems. Problems are provided for Levels I, II and III.

**VPB-1000 \$35.00**

## Hands-On Equations® Verbal Problems Blackline Masters for Level 1

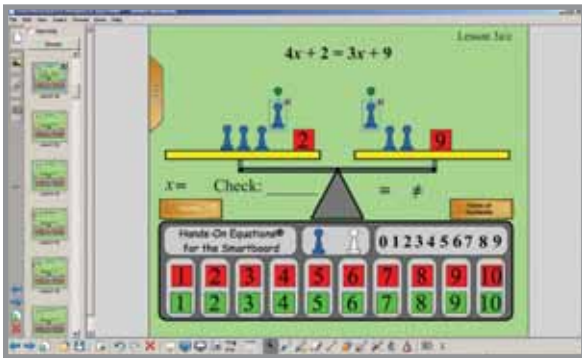
Photo not shown.  
**VP-BM1 \$25.00**



**New!** Photo not shown.

## Hands-On Equations® Introductory Verbal Problems for the Interactive Whiteboard

Includes 85 verbal problems from the VP-IW.



## Hands-On Equations® for the SMART Board

For teachers of Hands-On Equations® who are also using the SMART Board. A slide is included for each teaching example of the red, blue and green manuals. To maintain the effectiveness of the program, the teacher and students must also use the physical game pieces.

**Single license \$125; license for 5 teachers: \$500;  
license for 10 teachers: \$750**

**Also available for other interactive whiteboards (Promethean, Mimio, etc.)**

## The Hands-On Equations® Instructional Video Manual

(Designed to be used with Hands-On Equations® materials) A step-by-step visual guide to Hands-On Equations®. Each of the twenty-six lessons of the program is clearly demonstrated by Eric Borenstein, Molly Richman or Dr. Borenson. This video is designed to be viewed one lesson at a time. Ideal for:

- Teacher classroom introduction or review of each lesson
- Student self-introduction or review of each lesson

Twenty-six (26) lessons. Program time: approx. 120 minutes.

**DVD-2000 \$49.95**



## Class Set of Hands-On Equations® for Teacher and Ten (10) Students

Includes The Hands-On Equations® Learning Systems, ten (10) student kits, classroom worksheet reproduction rights, teacher's demonstration balance and demonstration game pieces.

**C-1010 \$195**

## Class Set of Hands-On Equations® for Teacher and Twenty (20) Students

**C-1020 \$245**

## Class Set of Hands-On Equations® for Teacher and Thirty (30) Students

**C-1030 \$295**

## Class Set of Hands-On Equations® for Teacher and Forty (40) Students

**C-1040 \$345**



# 2012 Order Form

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Item No.	Quantity	Name	Price Each	Total
S-1000		The Hands-On Equations® Learning System	\$ 34.95	
DVD-2000		The Hands-On Equations® Instructional DVD Manual	\$ 49.95	
T-1000		Teacher's Demonstration Scale & Game Pieces (Stationary teacher's scale used for class demonstration)	\$ 96.00	
C-1010		Class Set of Hands-On Equations® for Teacher and Ten (10) Students	\$ 195.00	
C-1020		Class Set of Hands-On Equations® for Teacher and Twenty (20) Students	\$ 245.00	
C-1030		Class Set of Hands-On Equations® for Teacher and Thirty (30) Students	\$ 295.00	
C-1040		Class Set of Hands-On Equations® for Teacher and Forty (40) Students	\$ 345.00	
CWS-1000		Additional Classwork Sheets® Set of 10 additional examples per lesson w/answer key.	\$ 25.00	
VP-IW		Hands-On Equations® Verbal Problems Introductory Workbook 27 graduated lessons with 3 examples each. Template included for each example.	\$ 20.00	
 IVP-WB-1		Hands-On Equations® Introductory Verbal Problems for the Interactive Whiteboard - <b>PC only</b> . May be used with the SMART Board, Promethean Board, etc.	\$ 125.00	
VPB-1000		Hands-On Equations® Verbal Problems Book	\$ 35.00	
VP-BM1		Verbal Problems Blackline Masters for Level I More than 200 Level I verbal problems from the VPB-1000, one per page.	\$ 25.00	
SB-1		Hands-On Equations® for the SMART Board – license for one	\$ 125.00	
WB-1		Hands-On Equations® for the Interactive Whiteboard – license for one For use with the Promethean Board, Mimio, etc. Choose platform: PC <input type="checkbox"/> Mac <input type="checkbox"/>	\$ 125.00	

## CREDIT CARD INFORMATION

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All checks and money orders should be made out to **Borenson and Associates, Inc.** and be payable to a U.S. bank.

<b>ORDER TOTAL</b>	
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**\*Shipping:** For shipments to the continental U.S., please add 3% for shipping and handling (\$7.95 minimum). For shipments outside the continental U.S., please inquire at [info@borenson.com](mailto:info@borenson.com).

**Hands-On Equations®... demystifying the learning of algebra™.**

**No-Risk Purchase Policy:** Use the materials with your students for 30 days, and if you are not more than satisfied with the results, return the materials for a full and prompt refund.

Sales Tax: School districts or residents of AZ, CA, CO, FL, GA, IL, IN, KY, MA, MD, MI, NC, NJ, NM, NY, OH, OK, PA, SC, TN, TX, VA please add applicable sales tax. Exempt institutions please provide an exemption certificate.



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## Spring 2012 Schedule of Public Workshops

(See schedule inside)

Day1: Making Algebra Child's Play®  
(grades 3 - 9)

Day2: Demystifying Verbal Problems  
(grades 3 - 9)



**Dr. Henry Borenson**  
Inventor of Hands-On Equations®

“There is no longer any reason for a student to experience frustration learning essential algebraic concepts. You can provide your students with the gift of understanding. This hands-on workshop will empower you to visually simplify abstract algebraic concepts.”



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