

by Activities for Learning, Inc.

RIGHTSTART™ MATHEMATICS

Dear Educator,

The following are some of the principles that make the RightStart™ approach different from traditional primary mathematics as taught in the U.S.

- **Minimizing counting.** We know from research that 5-month-old babies are able to add and subtract up to 3. This they do, not by counting, but by visualizing quantities. Japanese teachers believe that rote counting does not further a child's mathematical ability. In other words, counting to 100 is no more helpful in learning math than reciting the alphabet helps in learning to read. In RightStart™, visualization is emphasized.
- **Grouping in fives.** It is relatively easy to detect up to five objects—five can be distinguished from four because it has a middle while four does not. Beyond five, very few people can identify or visualize objects. Thus, the Romans grouped their numerals in fives; consider VIII (8). Orchestral arrangers grouped the 10 lines of music into two staves with five lines. RightStart™ groups in fives and tens.
- **Naming numbers explicitly.** In the U.S. children speaking English experience considerable difficulty learning place value. Indeed, only half of them master it by the end of the fourth grade. On the other hand, Asian children master place value in the first grade. Asian languages support this understanding through explicit number naming. For example, numbers 11-13 are called “ten-1, ten-2, ten-3” and 20-22 are “2 ten, 2 ten-1, 2 ten-2.” RightStart™ introduces the explicit number naming in the early grades, then transitions to traditional names.
- **Overlapping place-value cards.** Children have difficulty with the concept that the 3 in 32 actually means 3 tens. RightStart™ uses place-value cards. For example, the card with “30” is read 3-ten. To build 32, the child places the 2-card on the 0 of the 30-card, forming 32. Note these cards encourage reading numbers in the normal left to right order.
- **Working with the AL Abacus.** To continue developing the visualization skills they possessed as infants, children use the AL Abacus. The beads are grouped in fives to allow quick recognition and subsequent visualization. The reverse side teaches trading in the thousands. To learn their facts, the AL Abacus provides children with visual strategies. Children enjoy using the AL Abacus, but it doesn't become a crutch. Five year-old Stan was asked, “How much is $11 + 6$?” He said 17. Then, he replied, “I've got the abacus in my mind.”
- **Playing games.** Flash cards are not part of RightStart™. With flash cards, students do not learn better methods; they merely practice their old habits, albeit faster. Frequently, they merely become faster counters. Flash cards and timed tests come with a tremendous cost: the stress takes the joy out of learning mathematics. We have millions of people in this country who avoid math whenever possible; many have said that is the reason. Instead, the children using RightStart™ play games to become fluent with their facts and computation. Parents are encouraged to play games with their child.
- **Introducing thousands in the first grade.** To understand the never-ending pattern that ten ones equals 10, ten tens equals 100, ten hundreds equals 1000, and so forth, children must work with thousands. This gives the child the whole picture before working with details. In first grade with RightStart™, the children learn to add four-digit numbers with trading.
- **Computing mentally.** Most people when adding $24 + 38$ compute it mentally, rather than resorting to paper and pencil or a calculator. Therefore, in RightStart™, first graders learn to add two-digit numbers mentally. They use the efficient method of starting at the left.
- **Learning fractions with a linear model.** The linear fraction model gives children an overview of fractions and allows them to see the relationship between fractions and allows understanding of fractions greater than one.
- **Using correct vocabulary.** RightStart™ stresses correct terminology. Equation, which indicates equality, is used rather than “number sentence.” The phrase “take away” is avoided because it limits students' understanding of subtraction—sometimes subtraction is going up, as in making change. Trading is used instead of “regrouping” because the latter does not imply equality to children as does trading.

Helping children understand, apply, and enjoy mathematics.


MANUALS AND WORKSHEETS

The lessons and worksheets incorporate an easier-to-teach format, uses the Common Core State Standards as a base minimum, and has additional explanations for the teacher alongside the teaching activities. More time is spent on word problems, problem solving, and real-life applications. Additional games and hands-on activities are incorporated to enhance all types of learning styles. RightStart™ Mathematics Second Edition (RS2) advances and develops the child's conceptual understanding of critical math concepts with the philosophy and approach for which RightStart™ Mathematics is recognized.

Sixth and seventh grade lessons are intended for the student to read themselves. Student's worksheets are also available as a pdf for the school to print themselves. Only one Solution Manual is needed per classroom.

The teacher's manual includes blackline masters of the students worksheets, tests, and appendix pages. A PDF of the student worksheets, tests, and appendix pages is also included. Individual coil-bound student worksheet books are also available.

ELEMENTARY PROGRAM		CODE	PRICE	Math Card Games Kit quantity pricing available - see next page	MCG	\$69.50
Pre-Kindergarten Lessons (second edition)		TK	\$238.00	Chemistry Card Games Kit - These fresh and fun games enable students to not only succeed with the mathematics in chemistry, but to enjoy using math to solve chemistry problems. Kit includes <i>Chemistry Cards Games</i> book, nine card decks, Periodic Table, Chemistry Tri-Fold, and centimeter cubes	CHCG	\$86.50
Pre-Kindergarten Worksheets (second edition)		WK	\$17.75			
Kindergarten Lessons (second edition)		2TK	\$238.00			
Kindergarten Worksheets (second edition)		2WK	\$17.75			
First Grade Lessons (second edition)		2T1	\$238.00	SUPPLEMENTS		
First Grade Worksheets (second edition)		2W1	\$17.75			
Second Grade Lessons (second edition)		2T2	\$238.00	RightStart™ Tutoring Number Sense Kit - includes <i>RightStart™ Tutoring Number Sense</i> book, Al Abacus Stnadard, Math Balance, Basic Number Card Deck, Corners Card Deck, Place Value Cards and Base-10 Picture Cards.	TK N	\$73.50
Second Grade Worksheets (second edition)		2W2	\$23.00	RightStart™ Tutoring Multiplication Kit - includes <i>RightStart™ Tutoring Multiplication Lessons</i> , Basic and Multiplication Card Decks, Math Balance, and an AL Abacus	TK P	Coming soon
Third Grade Lessons (second edition)		2T3	\$238.00	RightStart™ Tutoring Fraction Kit - includes <i>RightStart™ Tutoring Fraction Lessons and Worksheets</i> , Fraction Card Deck, Basic Number Card Deck, Multiplication Card Deck and two plactic Fraction Charts.	TK F	\$49.75
Third Grade Worksheets (second edition)		2W3	\$23.00	RightStart™ Tutoring Fraction Worksheets	TU F W	\$9.00
Forth Grade Lessons (second edition)		2T4	\$238.00	RightStart™ Tutoring Clock Kit - includes <i>RightStart™ Tutoring Clock Card Games</i> book, Geared Mini-Clock, and Clock Cards.	TK C	\$18.00
Forth Grade Worksheets (second edition)		2W4	\$23.00	RightStart™ Tutoring Money Kit - includes <i>RightStart™ Tutoring Money Card Games</i> book and Money Cards.	TK M	\$15.00
Fifth Grade Lessons (second edition)		2T5	\$238.00	RightStart™ Geometry Panel Kits with Cards	GP KIT	\$42.00
Fifth Grade Worksheets (second edition)		2W5	\$23.00	Activities for the AL Abacus: A Hands-On Approach to Arithmetic	B	\$30.00
Math Card Games, 5th edition		M5	\$30.00	Worksheets for the AL Abacus: A Hands-On Approach to Arithmetic	VC	\$23.00
Yellow is the Sun - young child's counting book		SUN B	\$7.00	Trifold Quick Reference Guide - Elementary	TRI	\$8.50
				Trifold Quick Reference Guide - Middle School	TRI-MS	\$8.50
				Poster Set - Large version 24" × 36". Set includes one Basic Number, Multiplication, and Fraction Chart poster	POSTERS	\$18.50
				Basic Number Chart Poster - Large version 24" × 36"	P NUM	\$7.50
				Multiplication Chart Poster - Large version 24" × 36"	P MULTI	\$7.50
				Fraction Chart Poster - Large version 24" × 36"	P FRAC	\$7.50
				Poster Set - Small laminated version 8" × 11". Set includes one Basic Number, Multiplication, and Fraction Chart poster	POSTERS sm	\$13.75
				Basic Number Chart Poster - Small version 8" × 11"	P NUM sm	\$5.50
				Multiplication Chart Poster - Small version 8" × 11"	P MULTI sm	\$5.50
				Fraction Chart Poster - Small version 8" × 11"	P FRAC sm	\$5.50
				Suffix Charts PREMIUM	S	\$12.00
				Illustrated Dictionary of Math	DM	\$13.50

 Canadian worksheets available.

Prices subject to change.

See catalog or online at RightStartMath.com for full descriptions. To see answers to more of our FAQs or to find out more information about RightStart Math or

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Prices subject to change.

MATERIALS

MATERIALS	CODE	PRICE
AL Abacus Standard - quantity pricing available	ST	\$16.50
AL Abacus Junior	ST-Jr	\$12.00
AL Abacus Large - 23" × 24"	ST-Lg	\$135.00
AL Abacus for Visually Impaired	VI	\$16.50
Abacus Tiles	AT-2	\$4.50
Base 10 Picture Cards	DP	\$6.50
Base 10 Picture Card Holder	DPH	\$9.25
Basic Drawing Board Geometry Set	DS	\$23.50
Drawing Board	DB	\$7.00
T-Square	TSQ	\$6.75
30°-60° Triangle	T30	\$5.00
45° Triangle	T45	\$5.00
Safe-T Compass	SC	\$3.75
Cards for Math Games - six Special Decks	C	\$41.00
Basic Number Card Deck	CG	\$7.50
Clock Card Deck	CC	\$7.50
Corners™ Card Deck	CW	\$7.50
Fraction Card Deck	CY	\$7.50
Money Card Deck	CS	\$7.50
Multiplication Card Deck	CB	\$7.50
Multiplication Envelopes	CBE	\$6.00
Casio SL-450 Calculator	R4	\$8.75
Colored Tiles - approx 200 one-inch tiles	R2	\$20.50
Centimeter Cubes - approx 100 count	R8	\$6.00
Folding Meter Stick	R15	\$8.25
Fraction Charts - set of two plastic charts	F	\$20.50
Fraction Puzzle - wooden	FP	\$42.00
Geared Mini-Clock	R12	\$5.00
Geared Demonstration Clock	R6	\$35.00
Geoboards - two in set	R3	\$18.00
RightStart™ Geometry Panels	GP	\$26.00
Geometry Reflector	RF	\$8.50
Geometry Tools	GT	\$53.50
Geometric Solids - 12 in set, made of hard wood	R14	\$26.00
Goniometer - measures angles	R11	\$11.75
Math Balance - comes with instructions	R7	\$29.25
mmArc Compass	R16	\$8.25
Place Value Cards	P	\$7.50
Place Value Card Holder	PVH	\$13.75
Plastic Coins	R5	\$5.75
Plastic Coins - Canadian	R5C	\$9.50
Removable Tape	R17	\$5.50
Scientific Casio Calculator FX-300MS	R4ms	\$17.50
Tally Sticks - approx 55 count	R1	\$4.75
Tangrams - two sets	R9	\$5.00
4-in-1 Ruler - inches in tenths and eighths and centimeters	R10	\$3.50

Prices subject to change.

The materials used with the RightStart™ Mathematics curricula are very specific. Some materials have been developed for this program. Others were chosen with precise characteristics that foster and enhance the child's learning experience. If a replacement is being considered, make certain the substitution has the necessary characteristics and qualities required.

What is the difference between the various AL Abacuses?

AL Abacus Standard - this most popular AL Abacus has a durable plastic frame and plastic beads. Made in the USA.

AL Abacus Junior - this smaller version of AL Abacus Standard has a durable plastic frame and plastic beads. Made in the USA.

AL Abacus for the Visually Impaired - this version of the AL Abacus has plastic beads; five faceted and five smooth so that the differences can be tactically explored. Made in the USA.

AL Abacus Large - this abacus is ideal for a large group setting or for a child with special needs. The AL Abacus Large has a wooden frame and wooden one-inch beads. Use it on the floor or with an easel. Made in the USA.

AL Abacus App - this version of the AL Abacus is available for both Apple and Android devices.

Practice of math facts is provided through math card games, minimizing review worksheets and stressful flash cards, presenting a variety of repetition, and creating hours of fun learning math facts and concepts.

Quantity Pricing:

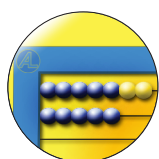
AL Abacus Standards

1-9	\$16.50 each (no discount)
10-39	\$13.20 each (20% discount)
40 +	\$11.06 each (33% discount)

Math Card Games Kits

1-5	\$69.50 each (no discount)
6-20	\$62.55 each (10% discount)
21-40	\$55.60 each (20% discount)
41-90	\$48.65 each (30% discount)
91 +	\$41.70 each (40% discount)

Quantity pricing also available on card decks, Fraction Charts, Place Value Cards, Geometry Sets, Drawing Sets, and Geared Mini-Clocks.



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ABOUT THE AUTHORS



Dr. Joan A. Cotter has a degree in electrical engineering from the University of Wisconsin-Madison. She was a Montessori teacher for ages 3 to 6, a math teacher for grades 6 to 8, and a teacher for children with special needs. She also has a doctorate in mathematics education from the University of Minnesota.

Dr. Cotter designed the AL Abacus and wrote *Math Card Games* and the RightStart™ Mathematics programs. She speaks at conventions across the United States and worldwide.

Kathleen Cotter Clayton is the daughter of Dr. Joan A. Cotter. Kathleen is involved with curriculum development and has written or co-authored 17 manuals.

She has a Bachelor's degree from the University of Minnesota and has two Masters Degrees from the University of Mary in Bismarck, North Dakota. She teaches online middle-school classes and speaks across the US and Canada, sharing the mission to help children understand, apply, and enjoy mathematics.

Toll-free ordering at 888-RS-5-MATH (888-775-6284)

Monday - Thursday 8:30am - 4:30pm CT, Fridays: 8:30am - 12:30pm CT

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	\$1000 and over	5%

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	\$500 to \$999.99	14%
	\$1000 and over	10%

We do ship international. Shipping rates will vary.

Duty fees and/or import taxes are not included in the total purchase price.

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checks drawn on USA banks only, and Purchase Orders.

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