

The book was found

# Math Fundamentals 3 (Quickstudy: Academic)

BarCharts, Inc.® **WORLD'S #1 ACADEMIC OUTLINE**  
**Quick Study ACADEMIC** **Math Fundamentals 3** Algebraic Equations & much more!

**What is Algebra?** Mathematics (abbreviated, math) is a form of science that deals with numbers—number theory, operations and measurements, all are part of mathematics. **Fundamentals** are essentials or basics—something that a thing or system needs to make it what it is.

**OPERATIONS**

Operation Solution		Order of Operations	
+	sum	1 <b>G</b> Grouping symbols – solve inside grouping symbols first; grouping symbols include ( ), [ ], { }, $\bar{\phantom{x}}$	3 <b>M&amp;D</b> Multiply & Divide – in the order of appearance (i.e., first come, first served)
-	difference	2 <b>E</b> Exponents – always set exponents (i.e., above integer) (i.e., $10^2$ , $10^3$ )	4 <b>A&amp;S</b> Addition & Subtraction – in the order of appearance (i.e., first come, first served)
x	product		
÷	quotient		

**Decimal Operations**

Symbol	Line Up Decimals	Process	Examples
+	yes	Line up decimals. Add normally. Drop decimal straight down in sum.	$23.05 + 0.02$ change to $23.05$ $0.02$ <hr/> 23.07
-	yes	Line up decimals. Subtract normally. Drop decimal straight down in difference.	$9.807 - 3.612$ change to $9.807$ $3.612$ <hr/> 6.195
x	no	Multiply normally. Count places to right of all decimals in problem. Move decimal to left same number of places in solution.	$31.2 \times 0.7$ change to $31.2$ $0.7$ <hr/> 21.84
÷	no	2 <b>NO</b> decimal in divisor. Divide normally. Bring 0 if decimal from dividend into quotient.  3 <b>E</b> decimal in divisor. Move decimal in divisor to right to create whole number. Move decimal in dividend same number of places. Bring 0 if decimal from dividend into quotient.	$30.5 \div 5$ change to $4.1$ $5 \overline{)30.5}$  $70.2 \div 6.22$ change to $70.2$ $6.22 \overline{)70.2}$ change to $7020$ $622 \overline{)7020}$

**Integer Operations**

Signs	Process	Examples
Same Signs	Answer keeps same sign. pos + pos = pos; neg + neg = neg	$-3 + -4 = -7$
Different Signs	Subtract the numbers. Keep sign of number with greater absolute value. ex: answer is negative.	$4 + 3 = 7$ (if has greater absolute value, answer is positive)
Same Signs	"Add the Opposite" – change to addition; use opposite of 2nd integer; follow addition process.	$5 - (-1)$ change to $5 + 1 = 6$
Different Signs	"Add the Opposite" – change to addition; use opposite of 2nd integer; follow addition process.	$-7 + (-2)$ change to $-7 + 2 = -5$
Same Signs	Positive product: pos x pos = pos; neg x neg = pos	$-9 \times -3 = 27$
Different Signs	Negative product: pos x neg = neg; neg x pos = neg	$-4 \times 6 = -24$
Same Signs	Positive quotient: pos ÷ pos = pos; neg ÷ neg = pos	$24 \div 4 = 6$
Different Signs	Negative quotient: pos ÷ neg = neg; neg ÷ pos = neg	$27 \div -9 = -3$

**SYMBOL**

=
≠
<
>
≤
≥
+
-
x
÷

**PLACE VALUE**

100,000,000	hundreds millions
10,000,000	ten millions
1,000,000	one million
100,000	hundred thousands
10,000	ten thousands
1,000	thousands
100	hundreds
10	tens
1	ones
1/10	tenths
1/100	hundredths
1/1000	thousandths
1/10000	ten thousandths
1/100000	hundred thousandths
1/1000000	millionths

**ROMAN NUMERALS**

I	1	IX	90	XC	900
II	2	X	100	C	1000
III	3	XI	1100	CC	200
IV	4	XII	1200	CCC	300
V	5	XIII	1300	CD	400
VI	6	XIV	1400	DC	600
VII	7	XV	1500	DCC	700
VIII	8	XVI	1600	DCCC	800
IX	9	XVII	1700	M	1000
X	10	XVIII	1800		
		XIX	1900		
		XX	2000		

Copyrighted Material



## Synopsis

This fantastic overview of points, lines, angles, planes, solids and space figures is great for middle and high school students. It will help boost math confidence and test scores.

## Book Information

Series: Quickstudy: Academic

Pamphlet: 4 pages

Publisher: QuickStudy; Lam Crds edition (May 22, 2008)

Language: English

ISBN-10: 1423205650

ISBN-13: 978-1423205654

Product Dimensions: 8.5 x 11 x 0.1 inches

Shipping Weight: 0.8 ounces (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars [See all reviews](#) (14 customer reviews)

Best Sellers Rank: #98,924 in Books (See Top 100 in Books) #28 in [Books > Science & Math > Mathematics > Reference](#) #102 in [Books > Science & Math > Mathematics > Geometry & Topology](#) #156 in [Books > Science & Math > Mathematics > Study & Teaching](#)

## Customer Reviews

I pulled this for a quick desk reference and now my son has decided he likes it. I find these guides very clear and for someone who has done a lot of math in the past it is a perfect reminder to get the brain to recall long lost knowledge.

I have a 14yr old that I home school and he is having trouble with Math. These charts are very detailed and self explanatory and I would encourage anyone struggling in Math to try these out. They really do help. The cost is very low and they deliver very very quickly!

BarCharts always has great products. Very useful for a quick reference guide when studying or preparing for tests. Great for various age/grade levels. Good to have on hand for quick reference.

Easy to understand and tells me everything that I need to teach my daughter for homeschooling, I would recommend this products highly!

The kids love this. Great for review of the basics of math courses and for working contracts and

program management.

Hey, I love math. This is a good study to keep the mind working.

Ordered for grand kids, their parents couldn't put it down. Excellent gift.

[Download to continue reading...](#)

Math Fundamentals 2 (Quickstudy: Academic) Math Fundamentals 3 (Quickstudy: Academic)  
Medical Math (Quickstudy: Academic) Spanish Fundamentals 1 (Quickstudy: Academic) Secret Of  
Mental Math Arithmetic: 70 Secrets To Super Speed Calculation & Amazing Math Tricks: How to Do  
Math without a Calculator 2nd Grade Math Flashcards: 240 Flashcards for Building Better Math  
Skills Based on Sylvan's Proven Techniques for Success (Sylvan Math Flashcards) 3rd Grade Math  
Flashcards: 240 Flashcards for Improving Math Skills Based on Sylvan's Proven Techniques for  
Success (Sylvan Math Flashcards) 4th Grade Math Flashcards: 240 Flashcards for Improving Math  
Skills Based on Sylvan's Proven Techniques for Success (Sylvan Math Flashcards) 1st Grade Math  
Flashcards: 240 Flashcards for Building Better Math Skills Based on Sylvan's Proven Techniques  
for Success (Sylvan Math Flashcards) Kindergarten Math Flashcards: 240 Flashcards for Building  
Better Math Skills Based on Sylvan's Proven Techniques for Success (Sylvan Math Flashcards)  
Spanish Legal Conversation (Quickstudy: Academic) Heart (Quickstudy: Academic) Logic:  
Propositional Logic (Quickstudy: Academic) Medical Abbreviations & Acronyms (Quickstudy:  
Academic) Respiratory System (Quickstudy: Academic) Weights & Measures (Quickstudy:  
Academic) Trigger Points (Quickstudy: Academic) Acupressure (Quickstudy: Academic) Expository  
Essay (Quickstudy: Academic) Medical Terminology: The Basics (Quickstudy: Academic)

[Dmca](#)