

PRE-ALGEBRA WORLD

Number Sense

Grades 4 and Up

Published by:
Cognitive Technologies Corporation

Pre-Algebra World creatively develops key concepts with images that students will remember for a lifetime. Learning activities in this highly visual and interactive program actively engage students and reflect NCTM standards. This entire imaginary world is designed to motivate students to learn and use math.

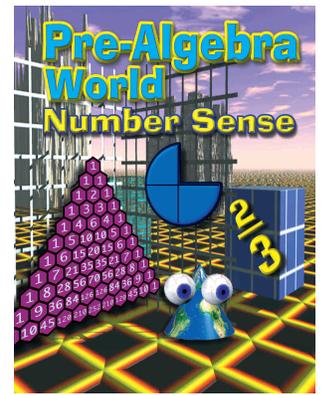
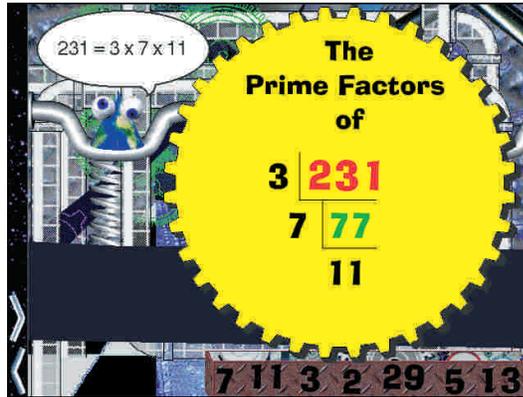
Pre-Algebra World presents key concepts in thematic environments that are relevant to students. Students who dislike math frequently take an immediate liking to the program and grasp concepts that have up until then escaped them.

Pre-Algebra World uses unique and proven interactive multimedia learning experiences. The highly graphical format allows students to push, pull, collect and click on objects.

**“This is an excellent,
fun motivator!”**
— Cathy Edelen,
St. Gregory School, KY

Educational Benefits

- Develop Number Sense
- Number System Relationships
- Mathematical Reasoning
- Connections Within Math
- Connections Outside Math
- Spatial Reasoning
- Mathematical Patterns



Students prime factor a given number.

Program Outline

Master Fractions

- Shows how to reduce fractions and make equivalent fractions.
- Add and subtract like and unlike fractions.
- Multiply and divide fractions.
- Calculate stock prices by adding and subtracting mixed numbers.

Estimation/Rounding

- Learn to estimate and round. Practice in a basketball court with cheering fans.

Prime Numbers

- Uncover prime numbers in an archaeological dig.

Factoring

- Factor as you build a rainbow.
- Learn to prime factor in a factory.
- Solve real-life problems while learning Greatest Common Factor and Least Common Multiple.

Scientific Notation

- Enter an observatory to see how large and small numbers help us understand our visible and invisible world.
- Learn to write numbers in scientific notation.
- Explore powers of 10, positive exponents, negative exponents.

Place Value/Number Systems

- Learn number places.
- Explore different number notation forms.
- Discover Arabic, Roman, Mayan, Egyptian, Binary, and Sanskrit number systems.

Arcade

- Explore number patterns in Pascal's Triangle. Create colorful patterns with modular addition.

School versions include a teacher manual/student activity guide. The teacher manual explains the major instructional concepts and the activity guide provides additional practice problems in a self-correcting puzzle format. There are worksheets for each section of the program.



**For FREE Demo
Call 1-888-237-6740**

Pre-Algebra World

Mac/Win CD-ROM

	Product #	
Home Version	11	\$39.95
School Version	12	\$79.95
5 Lab Pack	13	\$224.95
10 Lab Pack	14	\$369.95
20 Lab Pack	15	\$659.95
Network/Site License	16	\$999.95



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