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Arithmetic Series

Set of 6 Programs

Number Sense, Addition, Subtraction, Multiplication, Division, Word Problems

The Learning Management System (LMS) in each program tracks student achievement when they take a quiz or test with the topic completed, their name, date, time, and score.

Arithmetic Series – Program #1 - “Number Sense”

Kindergarten math students may begin with this 1st program in the "Arithmetic Software Series", the "Number Sense" program which is divided into 3 levels of difficulty including advanced numeration concepts. Each level concludes with a review which can be scored, printed, and used for placement or evaluation purposes. Additionally, per your requests, we have included worksheets for every section. You print the worksheets as needed for class or homework reinforcement. The introductions and explanations on the worksheets mirror those in the program and the questions are the same with different numbers. This is a complete learning system.

Arithmetic Series – Program #2 - “Addition”

This second math software program in the "Arithmetic Software Series" contains two levels each with 4 sections of instruction, plenty of interactive arithmetic practice, and immediate feedback to the student. Level #1 contains: "What is Addition?", "Sums through 10", "Symbols and Vocabulary", and "Sums through 18". These first grade math worksheets are for students of any age who need to learn addition skills. Level #2 contains: "2-Digit Addition", "Learn to Carry", "3-Digit Addition", "4-Digit Addition", and "5-Digit Addition". Students will learn to add with "re-grouping" or "carrying". Continue to learn addition by using addition skills in word problems which are scattered throughout the program. Each level of this addition skills software program concludes with a review which is scored and stored by the computer and can be used either as a pre-test for placement purposes or as a post-test for evaluation. The last section, "EXTRAS", contains problems on time, calendar, temperature, and figural analogies. Addition worksheets of every section are printable for classwork or homework. Every screen is printable either by one screen at a time or an entire section. From the addition worksheets menu print addition worksheets to practice addition facts along with "extras" which include mazes, questions about time, seasons, months, direction, measurement, and brain teasers.

Arithmetic Series – Program #3 - “Subtraction”

This is the third math software program in the "Arithmetic Series" providing a huge variety of elementary math problems. Students learn subtraction from a variety of perspectives - counting, eliminating, graphing followed by practice, practice, practice. Once the basic subtraction concepts are learned, this math software program moves on 2-3-4-and-5-digit subtraction with borrowing - each step of the process is presented and

practiced. Every screen is scored for immediate response to the student. Every four sections conclude with a comprehensive review. Extras include printable practice drills in addition and subtraction. Worksheets are printable for additional practice and reinforcement -- use as classwork or homework. Problem solving worksheets help the students learn to critically discern the differences between addition and subtraction. Worksheets include critical thinking discussions and practice about temperature, vocabulary (horizontal, vertical), figural analysis and analogies, mazes, morse code, classification practice, comparison of 2-dimensional and 3-dimensional figures, and reading coins (money).

Arithmetic Series – Program #4 - “Multiplication”

Math software to teach math multiplication -- The multiplication facts are learned in a variety of ways - First the student studies the 1, 2, 5, and 10 multiplication facts by counting, then by multiples, then in multiplication tables. Follow up each computer math practice of the math facts with multiplication worksheets. The second group of multiplication facts are the 3 and 4 facts - with multiplication problems that point out the association between addition and multiplication. With each level, the student fills in even larger multiplication tables. The next multiplication lesson is the 6, 7, 8, and 9 multiplication facts. Once the student has practiced all these facts, they are given the opportunity to show their achievement in a variety of multiplication tables. Use the printable multiplication worksheets for class work or homework to reinforce the multiplication lessons and math facts in the software program. Blank multiplication tables are printable from the multiplication worksheets for additional math practice.

This is the 4th software program in the Arithmetic Series. Math facts are practiced within the program and also in multiplication worksheets. It is packed with learning opportunities and math practice in, not only all aspects of multiplying whole numbers, from learning and practicing the multiplication facts through 12, multiplying by 2 and 3 digit numbers, prime factorization and exponents; but also a massive geometry section for beginning geometry students (points, lines, angles, coordinate geometry, perimeter, and area).

These arithmetic topics are presented to classroom students over the course of years. Use this tutorial software to keep up with schoolwork, to learn at home, to remediate, to accelerate, as a course or as a reference.

Although this software is used as a fourth grade math software tutor, many older students and adult math students returning to their math education are using MathMedia software to improve their math skills and advance in math education.

Arithmetic Series – Program #5 - “Division”

“Division” is the 5th program in the "Arithmetic Software Series". Students begin with the question "What is Division?" Division facts are introduced gradually and practiced comprehensively. Short division is practiced and followed by divisibility rules. Long division is introduced and practiced interactively. Since long division is one of the most challenging arithmetic topics to be studied, students are given ample practice in this, the longest section in the program. All sections have corresponding division worksheets, including long division worksheets.

Additional topics included in this division program are also appropriate for older students: Averages, Order of Operations, Probability, Charts and Graphs, and a large word problem section using the four arithmetic operations studied in the series.

Division is the fifth and last program in the "Arithmetic Series" skills development package and concludes the study of operations on whole numbers. Simple division is studied (dividing by a single digit), followed by an intense study of long division. Students gain confidence and expertise through interactive step-by-step practice. Division worksheets of each section are printable for class work or homework. Students who have completed this 5-program series successfully will be able to continue their studies with the Basic Math Series.

Arithmetic Series – Program #6 - “Word Problems for Arithmetic”

Go beyond arithmetic skills and apply those skills to everyday problem solving.

After many requests for a dedicated elementary math word problem program designed in the MathMedia style, we are pleased to offer this interactive arithmetic problem solving program for elementary math students who have mastered the mechanics of the operations on whole numbers. With over 200 menu-driven practice problems, students will be able to focus on reading the words, deciphering the meaning, and applying what they know about basic arithmetic. Students will practice the types of word problems which typically appear on standardized tests. Hints are available to help and coach the student along. Students will learn to translate from words to symbols and then solve the problem analyzing the result to see if it is a reasonable solution.

Students who practice math problem solving in a relaxed atmosphere will be better prepared for the math word problems that show up in class, on assessments and in life. Score reports are generated every ten questions. Teachers required to submit scores for NCLB will appreciate the ease of use of the included database.
