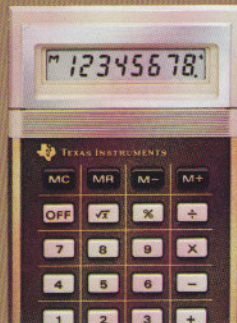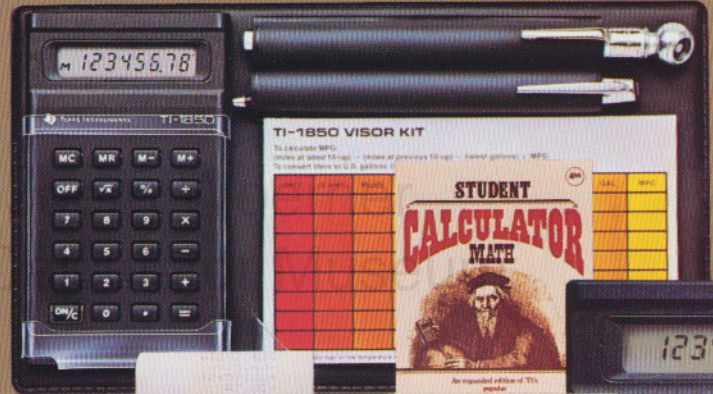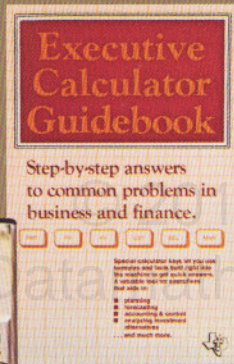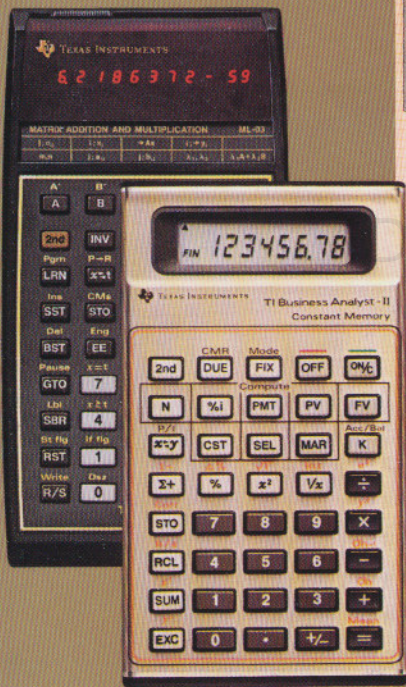# Texas Instruments
Electronic Calculators

1981
January-June

General Purpose and Specialty Calculators

TI-1001

Economical, pocket-portable, six function calculator. Almost everyone in the family can use it — around the house, in class, at the office — even outdoors. Sleekly styled, lightweight, thin as a pencil. Fits easily into a pocket, purse, or brief case to go where you go.

Get fast, accurate answers to addition, subtraction, multiplication and division problems. Even square roots. A percent key automatically calculates percentages. Automatic constant feature eliminates the need to reenter a number in repetitive calculations.

TI's APD* automatic power down feature helps prevent accidental battery drain by turning off the calculator after approximately four minutes of non-use.

TI-1031

Affordable and convenient … plus pocket-portable. A good-looking addition to your personal or business accessories in its brown vinyl wallet folder.

Includes TI's APD* automatic power down feature, extends battery life.

Large, easy-to-read liquid crystal display (LCD) shows 8 digits plus overflow, decimal point, negative sign, and memory indication.

Automatic constant, four-key memory, percent key, and square root key.

TI-1750 III

Deluxe pocket portable with memory. Light. Small. Economical. Weighs only 2½ ounces.

Performs today's most needed math functions. Add-ons, discounts, square roots, percentages. Even has a four-key memory. Large easy-to-read liquid crystal display shows 8 digits plus overflow, minus and memory signs. TI's APD*, automatic power down feature, helps prevent accidental battery drain by turning off the calculator after approximately four minutes of non-use. Comes in brown vinyl wallet folder, with pockets for notes, cards, stamps, etc.
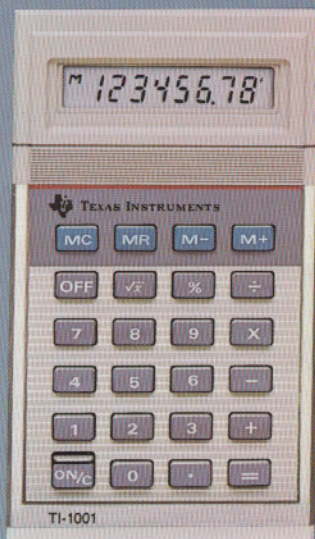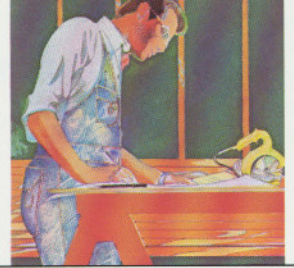

TI-1001

TI-1031

TI-1750 III

1040A TaxPak

The fast, easy, way to complete your 1980 income tax short form.

Here's everything you need to finish your 1040A short form.

The *Do-It-Yourself Tax Guide* leads you through each item on the 1040A form. Complex tax jargon is presented in easy-to-understand, everyday English. Also included are official IRS 1040A tax forms, instructions and an envelope.

The TI-1040 speeds calculations and reduces math errors. Four-key memory, percent and square root and automatic constant. The easy-to-read 8-digit liquid crystal display and APD* (automatic power down), a special battery-saving feature, make this sleek and stylish calculator even easier to use.

TI-1850 Visor Kit

The fast, easy way to track your car's performance and make the most of your travel dollars. Here in one convenient 5-piece kit that clips securely to your car's visor is everything you need to make auto travel more efficient.

Full-function calculator to compute travel mileage, miles per gallon (m.p.g.), travel expenses, etc.
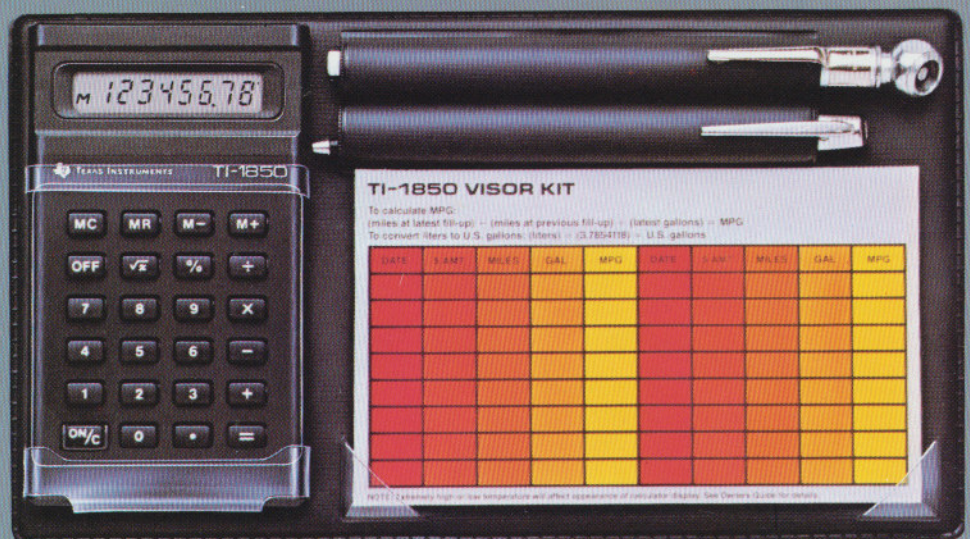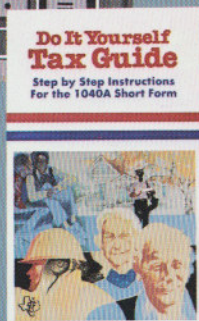
There's a clip-on tire gauge. Measures 0 to 50 pounds per square inch (p.s.i.). Proper air levels mean maximum mileage.

Write it all down with a stylish ball-point pen on the handy Auto Record Pad. Pages included to log in date, dollar amount, mileage, gas bought and computed m.p.g., as well as periodic maintenance: oil change and filter, lube, tune-up.

1040A Tax Pak

TI-1850 Visor Kit

Printer / Display Calculators

TI-5100
An attractive, functional calculator that means business. This versatile, quality calculator can increase calculating efficiency in the office or at home with silent, effortless operation. Adds, subtracts, multiplies, divides and features a memory to store and recall numbers. Display shows M when a number is in memory. Overflow is indicated by an arrow at the left of the display. Calculate percentages, taxes and discounts. An item count key for simplified inventory and calculation of averages. Decimal selector switch positions decimal at full floating or presets at two places. Large 10-digit green vacuum fluorescent display (with comma) for easy readability.

TI-5015
A printing calculator with independent add register … and grand total. Attractive. Economical. Prints a clear, legible tape. Quickly. Whisper-quiet.

Using standard business machine sequence, this light-weight compact calculator adds, subtracts, multiplies and divides. Handles multiplication and division of a constant, automatic percentages and credit balance.

The indepenent add register allows you to perform multiplication and division without affecting previous add/subtract entries. Non-add key prints reference numbers without affecting calculations. Grand total register automatically accumulates totals from the add register. And, its ribbonless printer is as reliable as it is quiet, while quality is consistently high.

TI-5040
Offers the best of two worlds. An easy-to-read display. A printed tape. For quick calculations use the large bright green 10-digit display, with commas and a floating decimal point. Or when a tape is needed, the whisper-quiet thermal printer delivers a crisp, clean copy of your calculations.

Special features to help solve business calculations or auditing problems include: A four-function memory. An independent add register (to simplify extensions, crossfooting and invoices). An automatic constant. A percent key. This combination of memory and independent add register results in a powerful "dual memory" capability.

TI-5100

TI-5015

TI-5040

TI-5135

Economical printer/display calculator for office and home. Especially designed for business executives so it has all the features an executive needs. That means having both a display for fast calculations and a tape produced by a thermal printer.

Use the display alone or display plus printer when the job demands it. The 10-digit display is easy to read with commas and decimal point. The thermal printer is quiet enough to use when you're on the phone, and it eliminates ribbons and ink.

You'll make quick work of most problems with features like: Four-function memory and independent add register for "dual-memory" capability. Add register also makes the extensions, cross footing, and invoices easier. Automatic constant. And percent key.

TI-5142

Business features plus plain paper printer and display. When you're getting down to business, here is the calculator to get. It has all the convenience features that help you get the right answers.

Switch on the dependable 12-digit mechanical printer, which delivers a fast 2.5 lines per second when a record is needed. An easy-to-read, 12-digit vacuum fluorescent display with commas and decimal point lets you save on paper if you wish.

There are enough other features to solve most business and accounting problems like: Long-travel keyboard. Full-function memory. Mark up/down. Decimal point selection. Percent and Δ percent keys. Plus/minus change. And a special dating/numbering key.

Heavy-duty construction helps it stand up to the tough day-to-day use.

TI-5135

TI-5142

5

Business/Financial Calculators

TI Business Analyst-I*
Economical business calculator for students and professionals. Marketing. Insurance. Real estate. Investments. Personal finance. Buying, selling, trading: Pre-programmed functions make it easy to use. Three keys deal with cost/sell margins. Five keys handle compound interest, annuity calculations, and other future/present value problems.

Statistical capability: Linear regression and trend line analysis (to forecast sales, earnings). Also 15 sets of parentheses and a versatile 4-function memory.

Operates on a disposable 9-volt battery (not included). An optional accessory kit is available.

Keys to Money Management. An easy-to-understand reference with step-by-step examples included.

The MBA*
Powerful business calculator with statistical and financial functions … **and programmability.** Pre-programmed functions compute net present value and internal rate of return for variable cash flows. Payment, present value, future value, number of periods or periodic interest rate for ordinary annuities and annuities due. Bond yields and much more.

Statistical functions — mean, variance, standard deviation — at the touch of a key. Plus built-in linear regression with correlation coefficient. Twelve memories.

Simple programmability lets it remember a sequence of up to 32 keystrokes.

Calculator Analysis for Business and Finance. Shows you how to analyze financial situations faster, use statistical methods easily.

Slimline Investment Analyst*
A new dimension in easy-to-use financial analysis of investments. Analyze any investment in which you can determine the amount of money spent on the investment, the amount returned by the investment, and the length of time the investment was owned.

Get rapid and accurate evaluations of stocks, bonds, options, warrants, commodity futures, real estate and numerous other types of investments. It handles them in terms of the three variables — buying price, selling price, and yield (current, annual, yield to maturity, or total period of ownership).

Features compound interest factor, and days between dates. Four-function memory with Constant Memory* saves data stored in the calculator even when turned off.
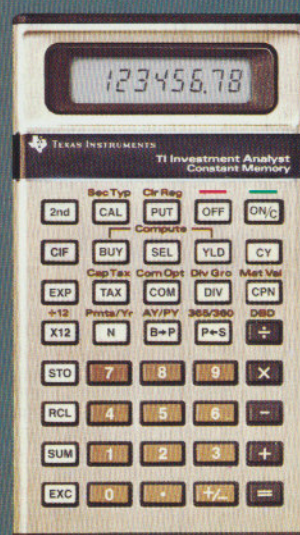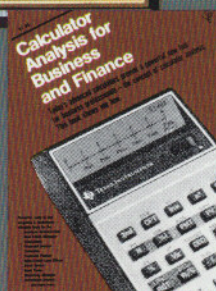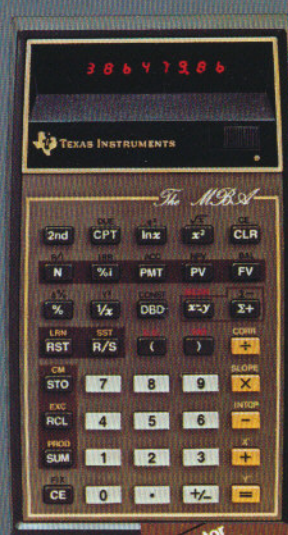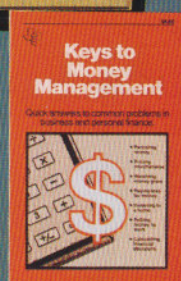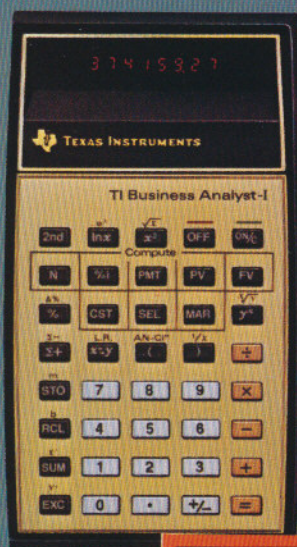
TI Business Analyst-I*

The MBA*

Business Card*

Super slimline LCD for finance and business … with Constant Memory* feature. So lightweight and compact that you can take it anywhere. Features positive action keys designed to feel right to your fingers.

Conveniently arranged financial keys compute time and money problems. Profit margin calculations are rapidly handled with cost, sell, or margin keys.

On-the-spot answers become easier: Add-ons, discount percentages, percent changes, reciprocals, squares, square roots, etc. Full arithmetic memory for added versatility.

TI's Constant Memory* feature retains stored data, even when the calculator is turned off. APD* automatic power down feature. Up to 1,000 hours of normal operation from two miniature batteries.

TI Business Analyst-II*
Executive Calculating System

A unique "systems" approach to financial decision-making. Imagine doing complex calculations to explore alternatives in lease/buy options, loans, amortizations, real estate mortgages, or sales and earnings forecasts in a matter of minutes. Working together as a system, the BA-II, *Executive Calculator Guidebook* and *Quick Facts for Business* give you all this computational capability and much more.

The powerful BA-II brings a new dimension of computing ease to the world of business and finance with built-in functions that let you boil down large sets of data quickly. This powerful 8-digit LCD calculator, with Constant Memory* feature and APD* automatic power down, solves a wide range of time and money problems, complex statistical computations, too. Because it does the math for you in seconds, it frees you to concentrate on "what if" situations and explore financial alternatives.

Quick Facts for Business travels next to your BA-II; gives quick reference for instant financial problem-solving. Its easy "how to" approach shows you the basic keystrokes you need to make fast, on-the-spot business and personal financial decisions.

Executive Calculator Guidebook illustrates more than 200 business and personal financial situations and shows how to use the BA-II's built-in formulas to examine investments, compare money markets, explore lease/buy options, loans, savings accounts and depreciation, project overhead, analyze effects on income and predict trends.

Business Card*
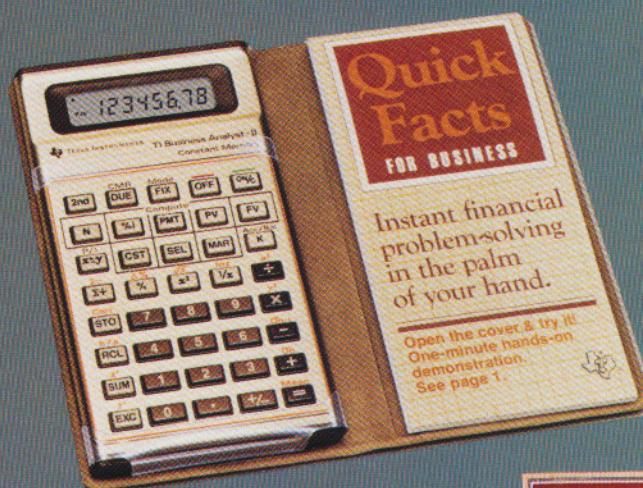
TI Business Analyst-II*
Executive Calculating System

Slide Rule Calculators

TI-30 Student Math Kit
Economical problem-solving kit with scientific calculator. Developed with the cooperation of nationally known educators, this calculator-based math system is designed to meet the needs of today's students. A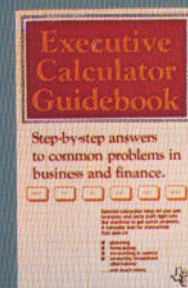s skills grow through high school to college and into career, the TI-30 Student Math Kit will continue to meet all but the more advanced math challenges.

Basic to the kit is the powerful 48-function slide rule calculator that performs arithmetic, percentages, squares and square roots, logarithms and trigonometric functions. The key to mastering its full potential is *The Great International Math on Keys Book*. Developed in cooperation with the staff of the University of Denver Mathematics Laboratory, its 224 pages offer useful, interesting information about calculator mathematics and the role it plays in everyday life. Topics include algebra, trigonometry, business and finance, home management, conversions, helpful tables and charts, probability and statistics, physics and chemistry and fun puzzles and games.

Also included is an owner's manual, and carrying case. An optional AC adapter is available.

TI-35 Student Math Kit
Problem-solving kit with Slimline TI-35 scientific calculator. The powerful 54-function calculator is truly pocket portable and performs the most-needed slide rule functions as well as special functions such as π, factorial and constant for rapid calculations of even complex problems. Its bright, liquid crystal display with scientific notation lets you work with even the smallest or largest numbers with ease. Built-in statistical capabilities include data entry, mean and standard deviation for both sample and population data. Versatile 4-key Constant Memory* feature lets you store, recall, sum data to memory and exchange memory with display. And it retains your data even when the calculator is off.

Student Calculator Math Book, an expanded edition of TI's popular "Great International Math on Keys Book", offers even more information about calculator mathematics and is filled with how-to problems, puzzles and games.

Also included with the TI-35 and book are a detailed owner's manual and vinyl carrying case.
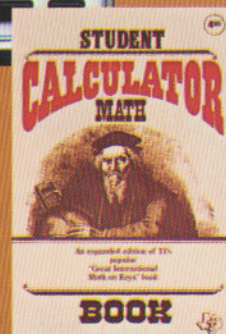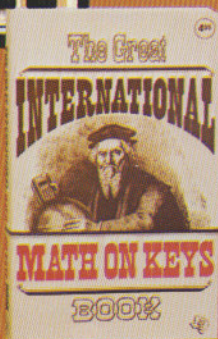
TI-30 Student Math Kit   TI-35 Student Math Kit

Slimline TI-50*

The powerful scientific calculator that retains memory contents even when turned off. Provides over 60 functions, including statistics and the most commonly used logarithmic and trigonometric operations. Two fully arithmetic memories, plus TI's Constant Memory* feature which allows both to retain stored data, whether the unit is on or off. Saves continuously used constants, values, and statistical data.

Statistical functions include mean, and both standard deviations and variances for sample and population data.

AOS* (algebraic operating system) entry system, with 15 sets of parentheses and up to 4 pending operations. Enter calculations as usually written, left to right.

Up to 1,000 hours of normal operation on a single set of batteries.

TI-55

An advanced slide rule calculator with statistical functions and simple programmability. Science. Engineering. Statistics. Social Science. Whatever your field.

Packed with the features and functions to handle almost any mathematical operation, from logarithms and trigonometry to more advanced statistical problems.

Powerful statistical capability — mean, variance, standard deviation, linear regression. Simple keyboard programmability with 32 steps lets you perform repetitive calculations at the touch of a key. Ten user-accessible memories are available to increase the flexibility of calculations.

Calculator Decision-Making Sourcebook shows you how to use the advanced functions of the TI-55 in making better decisions, whatever your field or profession.

TI-55-II

Advanced LCD slide rule calculation with programming and statistics. With 112 powerful functions for professional engineering, science, and math applications. Easy keyboard programmability, including function evaluation and integration features, saves time on repetitive problems. Also the most needed statistical functions for better data analysis. Use up to 8 memories. Built-in conversion functions for fast transitions between various measurement systems. Plus: roots, powers, reciprocals, log, trig and hyperbolic functions. Enter data in standard, scientific, or engineering formats.

Comes with the revised and expanded edition of *Calculator Decision-Making Sourcebook* that shows how to use all its power.
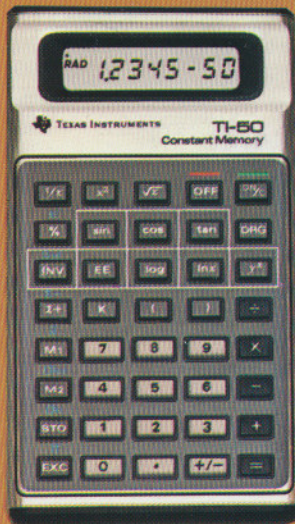
Slimline TI-50*
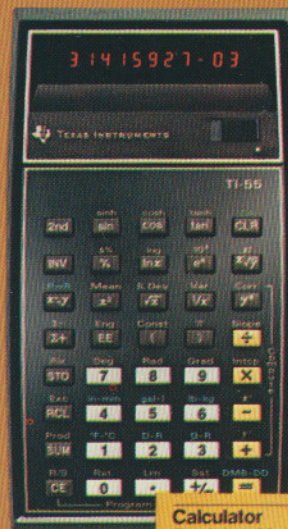
TI-55

TI-55-II

Programmable Calculators

TI Programmable 57

The self-teaching programming system for students and professionals. Eight multi-use memories provide addressable memory locations to store and recall data. Powerful program memory stores 50 fully merged steps (up to 150 key-strokes). Once a program is built, it can be executed repeatedly by supplying new sets of variables. Computer-like programming functions help solve repetitive problems quickly and accurately.

It's also a powerful super slide rule calculator. AC adapter/charger and carrying case included.

Making Tracks into Programming. Takes you into the power and fun of programming right away, with step-by-step instructions and examples.
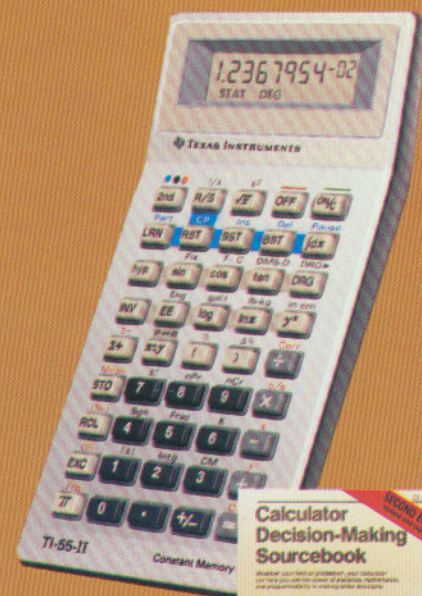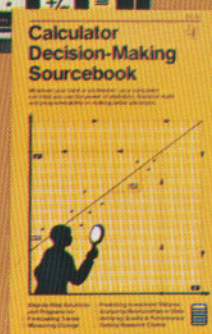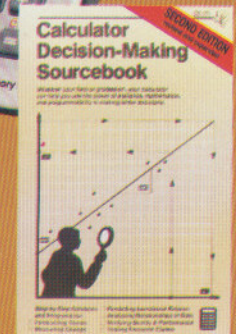
TI Programmable 58C

Advanced programmable calculator with plug in Solid State Software* and Constant Memory*. Features TI's exclusive Solid State Software*, tiny, pre-programmed modules you slide into the calculator to extend power, flexibility, and range. It is also keyboard-programmable. Constant Memory* feature retains data and program information *even when off.*

There are many computer-like features: 170 functions and operations to program up to 460 steps or 60 memories (increases to 5000 more steps with modules). With 4 types of display testing, 6 levels of subroutines, plus 9 levels of parentheses, it can handle almost any problem.

Personal Programming shows how to get the most from the 58C.

TI Programmable 59

Magnetic card programmable calculator with plug-in Solid State Software* and magnetic card storage for business, science, engineeing. Up to 960 program steps, or up to 100 memories. When integrated with any of the libraries it delivers up to 5000 program steps.

Master Library module simply plugs in. Includes 25 different programs in key areas: Math. Statistics. Finance. Blank magnetic cards let you write and record custom programs which may be run individually or integrated with programs in the library modules.

Features:
• 4 types of display testing with an independent test or "t" register.
• Up to 10 additional test registers: Loop. Increment. Decrement.
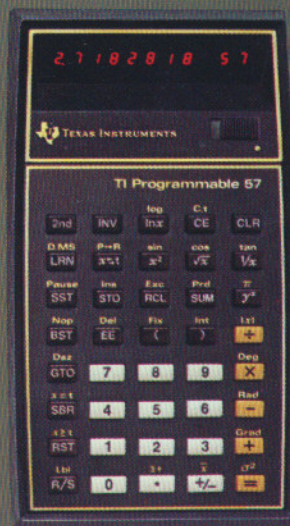
TI Programmable 57
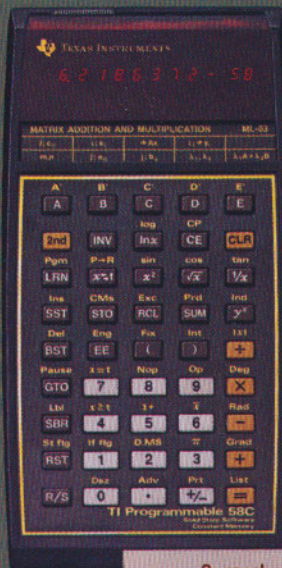
TI Programmable 58C

TI Programmable 59

Thermal Printer/Plotter for TI-58C and TI-59
A Calculator for Computer Programmers
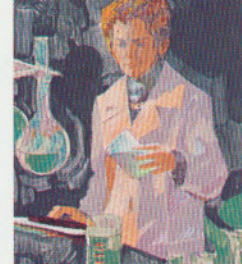
- Up to 10 user flags available: Set. Reset. Test.
- 72 useful labels.
- Up to 6 levels of subroutines.
- Flexible addressing: Program Steps: Absolute. Indirect. Label. Data Memories: Direct. Indirect.
- Complete program editing: Insert. Delete. Single step. Backstep. No Operation.
- 10 user defined label keys.
- Up to 9 sets of parentheses for up to 8 pending operations.
- Over 175 functions and operations in sciences and statistics.
- Operates with PC-100C.
- AC adapter/charger included.
  Personal Programming takes you through each function, each operation — step by step. With illustrated examples that will be highly adaptable to work you do: Bond cost. Spherical coordinates. Investments. Quadratic equations.

PC-100C Printer/Plotter
Provides the convenience and efficiency of hard copy printouts. The PC-100C printer/plotter turns your TI Programmable 58C or 59 into a quiet, high-speed printing calculator that prints, lists, and traces your program. Just push the LIST key for a printout of the entire program. Push the TRACE key and every calculation that's performed in your program is printed — the full number and the operation. Provides alpha and plotting capabilities. Prints 64 characters with a maximum line length of 20 characters. Print headings and data labels. Plot curves and histograms. You can even use the alpha capability to build prompting messages directly into your program. Uses a non-impact, thermal printer.
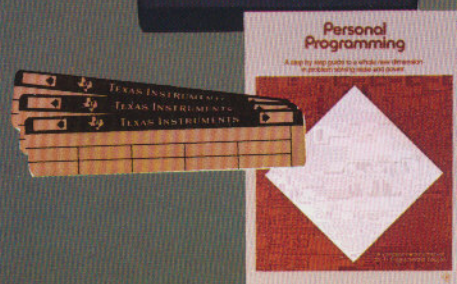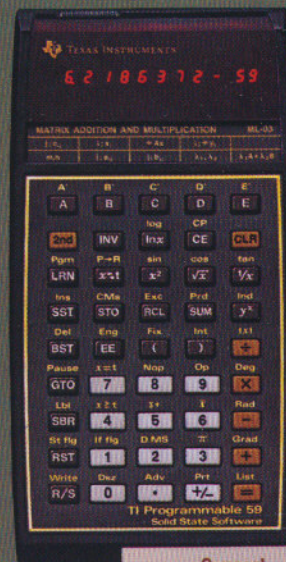
TI Programmer
Efficient, time saving solutions for computer programming professionals and hobbyist. Hexadecimal. Octal. Decimal. Perform fast, accurate conversions and calculations in any of these number bases. Enter a number in base 8, 10 or 16. TI Programmer can quickly convert to either of the other bases. Rapidly handle arithmetic computations in all three bases. Ideal for use with any size computer. TI Programmer uses integer "two's complement" arithmetic in hexadecimal and octal bases. Three key memory lets you store, recall, or sum to memory contents. Decimal base features signed floating point arithmetic for convenience in day-to-day math. Can multiply the effectiveness of anyone in computer programming.
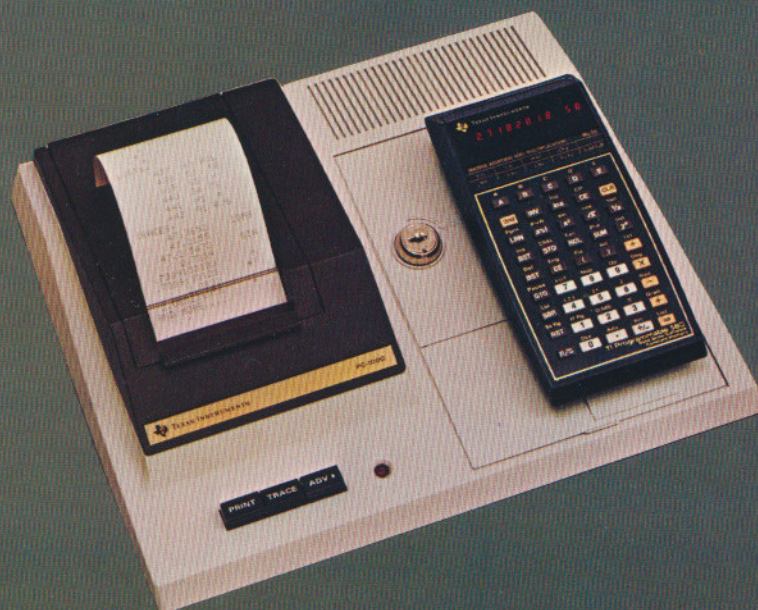
PC-100C Printer/Plotter
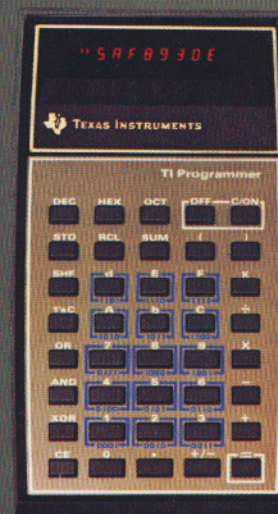
TI Programmer

Solid State Software* Library Modules

for the programmable TI-58C and TI-59
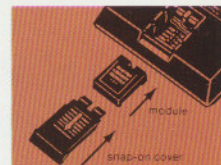
Applied Statistics Random number generator, Means and moments, Histogram construction, Data transforms, t-Statistic evaluation, Contingency table analysis, Rank sum, Multiple linear regression, One way or two way analysis of variance, Normal Binomial distribution, Chi square, t or F distribution, Diagnostic.

Real Estate/Investment Annuities, Remaining balance/accumulated or compound interest, Straight line, Composite, Excess, Sum of the years, Declining balance depreciation, Curve fit, Optimal regression, Internal rate of return, Cash flow analysis, Investment feasibility, Residential purchase analysis, Diagnostic.

Aviation Flight plan with wind, long range flight plan, Atmosphere, speed, temperature and altitude, Predicting freezing level, The wind triangle, Dead reckoning, Rhumbline navigation, Line of sight distance, Position and navigation, by one VOR, DME area navigation, VOR area navigation, Course correction, Rate of climb, General weight and balance, Customized weight and balance, Pilot or Customized unit conversion, RNAV flight plan, Time zone conversion.

Marine Navigation Coastal naigation, Time, speed, distance with current sailing, Distance short of, beyond, to horizon, Velocity, VMG and current vectors, DMG, SMG, CMG from two objects, Course made good from three bearings, Map initialization, Running fix from one object or two objects, Celestial Navigation, Planet location, Star identification, Sextant correction, Fix by two observations. Time of local apparent noon and sun lines, Noon sight fix, Ocean Sailing, Dead reckoning, Rhumbline navigation, Sailing and Tactics, modified wind, SMG, CMG, and time to layline, Distance and bearing to mark, Diagnostic.

Surveying Azimuth/bearing traverse, Inverse traverse, field angle traverse, Circle arc traverse, Closure, Compass rule traverse, Vertical or Horizontal curve design, EDM slope reduction, Stadia reductions and traverse, Intersection-bearing distance, Three point resection, Borrow Pit volume, Earthwork volume, Triangle solution, Curve solution, Diagnostic.

Leisure Photo, Football, Bowling scorekeeper, Chess, Golf handicapper, Bridge score, Codebreaker, Memo pad, Blackjack, Craps, Mars lander, Hangman, Learning nim, sea battle, Biorhythms, Diagnostic.

Securities Analysis Earnings per share estimation. Compound interest, Annuities, Uneven cash flows, Stock, Option, Warrant, Bond valuation, Option writing, Stock indicators, Portfolio selection and bookkeeping. Capital accumulation planning, Diagnostic.

Business Decisions Long term, short term financing requirements, Planning and budgeting. Investment evaluation, Economic reordering and production runs, reorder timing. Facility scheduling, Demand forecasting.

Math/Utilities Prompter, Alpha messages, Printer formating, Superplotter, Sorting, Data arrays, packing, Prime factors, Hyperbolic functions, Gamma/factorial, Random numbers, Normal distribution, Interpolation, Roots, Minimax, Romberg integration, discrete Fourier series, Calculator status, Variable arithmetic, Module check.

Electrical Engineering Phase-locked loops, Complex math, trig functions, Ratio conversions, Signal detection, Roots and Chained multiplication of polynomials, Reactance chart, Series-parallel impedance conversions, Lowpass, highpass, and bandpass filters, Convolution, Root locus calculation, Discrete Fourier transformation, Smith chart calculations, Network analysis.

Farming Metric conversion, Batch mix, Beef cow, Feedlot, Dairy, Swine, Poultry ration analyzer, MP and UFP determination, Gestation management, Weaning and yearling weight adjustment, Cow-calf, ewe, farrow to finish or feeder pig production work sheet, Cattle, pig, lamb feeding work sheet, Land purchase and farm loan analysis.

RPN Simulator This library, with the help of the PC-100C, lets you convert most RPN programs (Reverse Polish Notation). For TI-59 only.

Pool Water Analysis Water balance, Drain routine, Water balance using printer.

Solid State Software modules add convenience and the power of up to 5,000 program steps. Each module library consists of a plug-in module and a reference guide.*

APPLIED STATISTICS MODULE

R.E./INVESTMENT MODULE

AVIATION MODULE

MARINE NAVIGATION MODULE

SURVEYING MODULE

LEISURE LIBRARY MODULE

SECURITIES ANALYSIS MODULE

BUSINESS DECISIONS MODULE

MATH/UTILITIES MODULE

ELECTRICAL ENGINEERING MODULE

FARMING MODULE

RPN SIMULATOR MODULE

POOL WATER ANALYSIS MODULE

*Registered Trademark of Texas Instruments Incorporated

Specialty Pakettes.

for the programmable TI-58C and TI-59

Securities Universal rate of return. Value of call options. Call option ratio writing. Screen stocks (quality and quantity). Call option spreading. Internal rate of return. Forecasting.

Statistical Testing Randomized block design (ANOVA test). Chi square. Two-way ANOVA. Two-way ANOVA without replication. One-way ANOVA. Two-way ANOVA with interaction. Nonparametric correlations (Spearman, Kendall). 3 x 3 covariance matrix and correlation coefficient. Wilcoxon/Mann-Whitney 2 sample test. Wilcoxon/Mann-Whitney test (2 frequency distributions). Rho: the Spearman rank correlation coefficient, multiple partial correlation.

Civil Engineering Trapezoidal channel depth and velocity. Moments of inertia. Dynamic loading with single degree of freedom. Warren truss solution. Four span moment distribution. Concrete beam stress analysis.

Electronic Engineering Solution of resistive networks. Bipolar junction transistor analysis. RF amplifier analysis. Resistive voltage divider. Power supply filter design. Class "A" amplifier design. Zener power supply design.

Blackbody Blackbody photon radiance. Spectral responsivity. Blackbody energy radiance, detectivity, and responsivity. Blackbody flux signal.

Oil/Gas/Energy Production schedule for exponentially declining wells, Gas well deliverability. Compressibility factors for sweet natural gas. Well log interpretation. Oil reserve estimate, constant percent decline.

Programming Aids† TI-Programmer simulator. ASCII to alphanumeric decoder. EBCDIC to alphanumeric decoder. TMS 9900 disassembler. INTEL 8080 disassembler.

Printer Utility† Function plotter for TI Programmable 59/PC-100C. Bar graph plotter. TI Programmable 59 banner program. Alphanumeric register listing. Flag tester. Printing clock. Memo pad. Cartesian graph plotter.

Astrology Astro I — interpolation and midpoints. Astro II — aspects, individual and mutual. Astro III — interpolation factors. Placidus houses. Astropoints — solstice/Arabian parts.

59 Fun †† Leisure time diversions for fun and skill. Baseball. Parachute.Tic-tac-toe. Poem Machine. Space War. Hexpawn.

3D Graphics Rectangular/Spherical coordinate conversion. Ellipse and circle plotter. Perspective drawing. Axonometric, isometric and oblique projection.

Mathematics Gauss-Legendre quadrature numerical integration. Base conversions. Zeroes of quadratic and cubic equations. Function and derivatives. Least-mean-square fit of a polynomial.

Fluid Dynamics Solution to pipe problems. Heat transfer coefficient/pressure drop. Incompressible fluid pipeline pressure drop. Hazen-Williams Formula. Equivalent pipe method. Wemouth Gas pipeline pressure drop.

Lab Chemistry†† Perfect gas law. Elemental composition. Least squares activation energy. General thermodynamics. Aqueous acid/base buffer equilibrium. Psychrometric calculator.

Production Planning Cost/volume and time/volume learning curves. Cost/price estimating and accounting. Production output rates. Time study calculations.

Marketing/Sales Exponential smoothing. Pricing. Universal multiple discounter. Break-even point margin of safety. Gompertz growth function curve fit. Invoice preparation.

†For use with the TI-59 only.
††For use with the TI-59 and PC-100C or PC100A Printer/Plotter.

PPX-59. When you buy a TI-59, a yearly Professional Program Exchange membership will open the door to many interesting programs being written by others in your profession. As a new member, you select three programs from the source catalog — at no charge. A wide selection of programs is available in dozens of categories: Astronomy. Education. Engineering. Navigation. Statistics. Probability. Life Sciences. Physics. Chemistry. Agriculture. Social and Behavioral Sciences. Photography. Finance. Architecture. And many more.

Specialty Pakettes are selected programs in a notebook format for you to key in — without the need for any programming. TI-59 owners can record them on magnetic cards for later use.

Securities

Statistical Testing

Civil Engineering

Electronic Engineering

Blackbody Radiation

Oil/Gas/Energy

Programming Aids

Printer Utility

Astrology

59 Fun

3D Graphics

Mathematics

Fluid Dynamics

Lab Chemistry

Production/Planning

Marketing/Sales
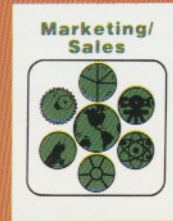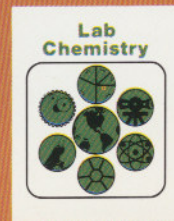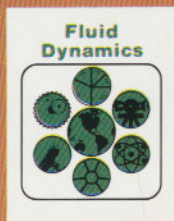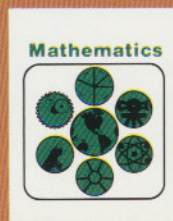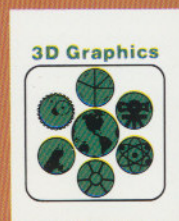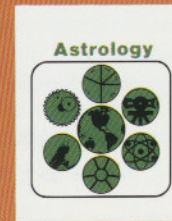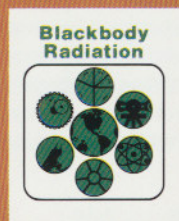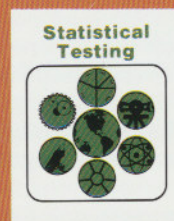
Calculator Specifications

Operating Characteristics: Business/Financial, Slide Rule, and Programmable Calculators

FUNCTION	BUSINESS CARD	BUSINESS ANALYST-I	Slimline BUSINESS ANALYST-II	THE MBA	INVESTMENT ANALYST	TI-30	Slimline TI-35	Slimline TI-50	TI-55	TI-55-II	TI-57	TI-58C	TI-59	TI PROGRAMMER	PC-100C
Digits displayed (Mantissa + exponent)	8	8 (5+2)	8 (5+2)	10 (8+2)	8	8 (5+2)	8 (5+2)	8 (5+2)	8 (8+2)	8 (8+2)	10 (10+2)	10 (10+2)	10 (10+2)	8	10+2 printed
Calculating digits (internal)	11	11	11	11	11	11	11	11	11	11	12	12	12	11	
Fixed decimal option															
Program steps				32					32	56	50†	480	960		
Memories	1	1	1	12	1	1	1	2	10	8	8	60	100	1	
Store and recall	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Clear memory	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Sum to memory	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Subtract from memory	•			•				•	•	•	•	•	•	•	
Multiply into memory	•			•				•	•		•	•	•	•	
Divide into memory	•			•				•	•		•	•	•	•	
Power and root into memory												•	•		
Percent change into memory															
Exchange display with memory	•			•				•	•		•	•	•	•	
Constant Memory* feature	•										•	•	•		
APD* automatic power down										•		•	•		
Indirect memory addressing												•	•		
Exchange x with y										•	•	•	•		
Exchange x with t												•	•		
Parentheses levels		15		15	15	15	15	15	9	15	9	9	9	15	
Max number of pending operations		4		4	4	4	4	4	4	4	4	8	8	Select	
Constant mode						•	•	•	•	•	•	•	•		
Angular mode (deg/rad/grad)							•	•	•	•	•	•	•		
AOS* entry system						•	•	•	•	•	•	•	•		
Second function key	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Keys	28	40	40	40	40	40	40	40	40	45	40	45	45	40	3
Printing functions print & paper advance												•	•		•
Program list												•	•		
Trace												•	•		
Compatible with PC-100C												•	•		
†Up to 150 keystrokes															

Physical Characteristics: General Purpose, Specialty and Printer/Display Calculators

	TI-1001	TI-1031	TI-1750-III	1040 A TAX PAK	TI-1850 VISOR KIT	TI-5100	TI-5015	TI-5040	TI-5135	TI-5142
Weight	Less than 2.5 oz.	Less than 2.5 oz.	2.5 oz.	2.5 oz.	7 oz.	Less than 2 lbs.	3 lbs.	3.25 lbs.	2.5 oz.	3.3 oz.
Size (inches)	4.6 × 2.7 × 0.3	4.6 × 2.7 × 0.3	4.6 × 2.7 × 0.3	4.6 × 2.6 × 0.3	5.1 × 9.1 × 0.7	7.8 × 7.6 × 2.5	9.4 × 7.2 × 2.7	9.5 × 9.3 × 2.9	1.9 × 7.2 × 7.7	2.5 × 8.3 × 10.4
Battery Replaceable (included)	•	•	•	•	•					
Rechargeable										
AC adapter										
AC operation only								•	•	

Physical Characteristics: Business/Financial, Slide Rule, and Programmable Calculators

	BUSINESS CARD	BUSINESS ANALYST-I	Slimline BUSINESS ANALYST-II	THE MBA	Slimline INVESTMENT ANALYST	TI-30	Slimline TI-35	Slimline TI-50	TI-55	TI-55-II	TI-57	TI-58C	TI-59	TI PROGRAMMER	PC-100C
Weight	Less than 2 oz.	Less than 6 oz.	3.5 oz.	6.5 oz.	3.5 oz.	4.2 oz. w/o battery	3.0 oz.	3.5 oz.	6.5 oz.	3.8 oz.	Less than 8 oz.	8.4 oz.	10.7 oz.	6.3 oz.	6 lbs.
Size (inches)	3.75 × 2.25 × 0.17	5.8 × 3.2 × 1.4	5.3 × 2.9 × 0.35	5.8 × 3.2 × 1.4	5.3 × 2.9 × 0.35	5.8 × 3.2 × 1.4	5.3 × 2.9 × 0.35	5.3 × 2.9 × 0.35	5.8 × 3.2 × 1.4	5.8 × 3.1 × 0.9	5.8 × 3.2 × 1.4	6.43 × 3.24 × 1.44	6.43 × 3.24 × 1.44	5.8 × 3.2 × 1.4	10.4 × 11.6 × 4.0
Batteries Replaceable (included)		•	•	•	•	•	•	•	•	•	•			•	
Replaceable (not included)															
Rechargeable												•	•		
AC adapter/charger												•	•		•
AC operation only															•

*Optional — not included

Calculating Characteristics: Business/Financial, Slide Rule, and Programmable Calculators

FUNCTION	BUSINESS CARD	Slimline BUSINESS ANALYST-II	THE MBA	TI-30	Slimline TI-35	Slimline TI-50	TI-55	TI-55-II	TI-57	TI-58C	TI-59
Constant		•	•	•	•	•	•	•	•	•	•
Log				•	•	•	•	•	•	•	•
Lnx				•	•	•	•	•	•	•	•
10^x				•	•	•	•	•	•	•	•
e^x				•	•	•	•	•	•	•	•
x^2		•		•	•	•	•	•	•	•	•
$\sqrt{x}$		•		•	•	•	•	•	•	•	•
$\sqrt[x]{y}$						•	•	•	•	•	•
y^x				•	•	•	•	•	•	•	•
$1/x$		•		•	•	•	•	•	•	•	•
$x!$						•	•	•	•	•	•
%		•	•	•	•	•	•	•	•	•	•
Δ%									•	•	•
π				•	•	•	•	•	•	•	•
Scientific notation				•	•	•	•	•	•	•	•
Int x (integer part or fractional part)									•	•	•
Absolute and Signum value		•							•	•	•
Trig: sin, cos, tan, and inverses				•	•	•	•	•	•	•	•
Hyperbolic: sinh, cosh, tanh, and inverses									•	•	•
Deg/min/sec to decimal deg. conversion and inverses									•	•	•
Deg. to Rad./Grad. to Rad. conversion and inverses									•	•	•
Polar to rectangular conversion and inverse							•	•	•	•	•
Mean, variance, and standard deviation		•				•	•	•	•	•	•
Permutations and Combinations									•	•	•
Linear regression — trend line, slope, and intercept		•							•	•	•
Automatic permutation										•	•
Integration										•	•
Random number generator									•	•	•
Conversions							8	8	•	•	•
Metric conversion constants									•	•	•
N, %i, Pmt, PV, FV		•	•						•	•	•
Cost, selling price, margin		•	•						•	•	•
Internal rate of return			•						•	•	•
Variable cash flow — net present value			•						•	•	•
Days between dates			•						•	•	•
Accumulated interest			•						•	•	•
Remaining Balance			•						•	•	•

*Programmable functions

Calculating and Operating Characteristics: General Purpose, Specialty and Printer/Display Calculations

FUNCTION	TI-1001	TI-1031	TI-1750-III	1040 A TAX PAK	TI-1850 VISOR KIT	TI-5100	TI-5015	TI-5040	TI-5135	TI-5142
Digits displayed or printed	8	8	8	8	8	10	10 (print)	10 Both	10 Both	12 Both
Floating decimal	•	•	•	•	•					
Preset decimal						2	0-9	2		0-4
Automatic constant						Select				
APD™ automatic power down										
Memory							•	•	•	•
Independent add register										
% key										
Add mode							•	•		•
Printing tape							•	•	•	plain
Special Keys	√x	√x	√x	√x	√x	Item count	Paper advance, grand total, #/S, T/GT	Paper advance, printer on/off, #/S	Printer on/off, paper advance, clear all, #S/T	Printer on/off, memory accumulation, non-add mark/down, Δ%

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Educational Products

Talking Learning Aids

a. **Speak & Read** — *Preschool through Grade 3.* Builds reading skills. More than 250 of the most basic words. Three levels of difficulty use fast-paced "see it/hear it" techniques to develop vocabulary skills and word meanings.

b. **Speak & Spell** — *Grades 1-8.* Motivates three ways: hearing a word, spelling a word, seeing a word. Students progress through a primary vocabulary of about 200 words in four levels of difficulty. Verbal feedback, games and activities add to the fun.

c. **Speak & Math** — *Grades 1-6.* Makes learning basic math skills fun with exciting sight-and-sound activities. More than 100,000 mathematical problems in addition, subtraction, multiplication and division. Offers three levels of difficulty in four math activities and one learning game.

Electronic Learning Aids

d. **The Little Professor** *Preschool through Grade 4.* Preprogrammed with more than 16,000 addition, subtraction, multiplication and division problems in four levels of difficulty.

e. **DataMan** *Grades 1-6.* "Scoreboard" displays and timed activities encourage practice and positive math attitudes.

f. **Spelling B** *Preschoolers through grade 3.* The child sees an object pictured in the colorful book and learns to spell its name. Sound effects add to the fun.

g. **Math Marvel** *Grades 1-6.* Generates more than 40,000 math problems through seven fun-filled games and musical feedback.

h. **Mr Challenger** *Grades 3 & Up.* Four challenging word games in one. Improve word skills through mind-boggling games.

Electronic Language Aids

i. **Language Tutor.** Actually speaks words, phrases and sentences you're sure to use. Easy-to-use word/phrase guide shows how to create your own sentences or translate someone else's with just a few keystrokes. For the traveller who wants to master the basics quickly. Plug-in solid state language modules in Spanish, French, German and English.

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TI's growing family of plug-in Solid State Speech* modules add a valuable dimension to Speak & Spell* and Speak & Read*. Their additional word lists let you build a broad home study program to meet your child's needs as skills grow. Use them to provide an extra challenge, or to focus on particularly troublesome areas.

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