The WIZ-A-TRON™

electronic learning aid

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OPERATING INSTRUCTIONS

Your portable WIZ-A-TRON is a learning aid designed to provide years of reliable service in practicing your arithmetic problems.

Battery Information — A standard 9-volt calculator/transistor battery (alkaline or zinc-chloride type) is recommended for maximum operational time. Remove the battery immediately after it is discharged or when storing the unit to prevent possible damage from leakage. The battery compartment is accessible by inserting a small coin in the slot on the back of the unit and prying open the cover of the compartment.

Low Battery Indication — The unit will provide approximately 15 hours of continuous operation when using an alkaline battery. If you observe any of the following indications, the battery is discharged and should be replaced: (1) Dim display, (2) erratic display, or (3) unusual or inconsistent operation.

Entering Problems — The WIZ-A-TRON is easy to operate. You enter a problem and then enter your answer. It tells you if you're right or wrong, and is then ready for you to enter another problem.

Here's how the unit works. The ON/OFF "switch" is located on the left side of the unit. The problems you enter involve any of the four basic math operations: addition, subtraction,

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multiplication and division. Want to try your skill at addition? Press one or two number keys, press [+], enter another number and then press [=]. The unit is ready for you to enter your answer.

After turning the unit ON and entering a one or two digit number, you can select the type of problem by pressing [+] [−] [×] or [÷]. Then enter another one or two digit number and press [=]. When you enter the correct answer, the unit tells you the answer is correct by flashing the display. If your answer is wrong, "EEE" is displayed momentarily and then the problem is displayed again. The unit gives you two more tries at the problem. If you're still wrong after two more tries, the unit then displays the problem with the correct answer, and holds it for you, to give you a good look at it. To move on to another problem, simply enter one or two digits and continue.

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Addition — For additional problems, you may enter one or two digit numbers, which when added may require as many as three digits in the answer.

Subtraction — For subtraction problems you may enter one or two digit numbers, which when subtracted may have a 1 or 2 digit answer. In entering subtraction problems, the first number must be equal to or larger than the second. If you try to enter a second number which is larger than the first, it will be ignored.

Examples:	8 − 5 = 3	Good problem
	88 − 87 = 1	Good problem
Enter	75 − 76	The "6" will be ignored and not displayed.
Display	75 − 7	Enter "5" or less, press [=], and enter your answer.

Multiplication — For multiplication problems, you may enter one or two digit numbers that produce 1, 2, or 3 digit answers. If the first number entered has 2 digits, the second number is limited to a number that produces no more than a 3 digit result. Any number entered that would produce a 4 digit result is ignored.

Examples:	2 × 3 = 6	Good problem
	99 × 10 = 990	Good problem
Enter	90 × 91	The last 1 is not accepted or displayed.
Display	90 × 9	The [=] key must be pressed next since any other number entry would produce a product with 4 digits.

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Division — For division problems, you may enter one or two digits in each number. If you enter two numbers which do not divide evenly then you must also enter the remainder to complete the problem. If a remainder is required, the unit displays an "r" immediately after the whole number part of the answer is entered.

Examples:	6 ÷ 3 = 2	Good Problem
	88 ÷ 44 = 2	Good problem
	9 ÷ 4 = 2r	The "2" is correct and the "r" indicates a rèmainder is required to complete the problem.
	r1	The correct remainder is "1".

Correct answers are indicated by displaying the problem with the partial answer and then alternately displaying the remainder. An error is indicated by "EEE". Three tries are allowed to get the whole number part of the answer correct. After three tries, the whole number is displayed, and three tries are allowed to get the remainder (if any) correct.

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Automatic Clearing — After a problem is completed with a correct answer, the next number entered is assumed to be the first digit of a new problem. The old problem is cleared from the display and the digit entered is displayed.

The Clear [CLR] **Key** — When pressed, the clear key clears the display of all the digits except the = sign, and the unit is ready to perform a new problem.

Time-out — While the unit is on, if no key is pressed for 2 or 3 minutes, the display is blanked except for a dash in the right-hand digit. This conserves power and prolongs battery life. Pressing any key restores the full display just as if no display blanking had occurred.

SERVICE INFORMATION

In Case of Difficulty

1. Check to be sure ON/OFF switch is ON.
2. If display fails to light or is inconsistent in any way, check for improperly inserted or discharged batteries. See *Battery Information* on page 1.
3. Review operating instructions to be certain problems are performed correctly.

If none of the above procedures corrects the difficulty, return the unit PREPAID and INSURED to the applicable SERVICE FACILITY. Texas Instruments cannot assume any responsibility for loss or damage to uninsured shipments.

Please include information on the difficulty experienced with the unit along with your name, address, city, state, and zip code. The shipment should be carefully packaged and protected against shock and rough handling.

For out-of-warranty service, carefully pack your unit, enclose $6.00 for service and handling and include your complete name, address, and zip code. Send prepaid and insured to the applicable service facility.

Service Information

If you need service information about your unit, write the Consumer Relations Dept., P.O. Box 53, Lubbock, Texas 79408. Or, call 800-858-1802 (toll-free within all contiguous states except Texas) or 800-692-1353 (toll-free within Texas). If outside the contiguous United States, call 806-747-3841 (We regret that we cannot accept collect calls at this number.)

NOTE: The P.O. Box number listed for the Lubbock Service Facility is for United States parcel post shipments only. If you desire to use another carrier, the street address is: Texas Instruments Incorporated, 2305 University Ave., Lubbock, Texas 79415.

TEXAS INSTRUMENTS CONSUMER SERVICE FACILITIES

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Texas Instruments Service Facility
P. O. Box 2500
Lubbock, Texas 79408

Texas Instruments Service Facility
41 Shelley Road
Richmond Hill, Ontario, Canada

Consumers in California and Oregon may contact the following Texas Instruments Offices for additional assistance or information.

Texas Instruments Consumer Service
3186 Airway Drive, Bldg. J
Costa Mesa, California 92626
(714) 540-7190

Texas Instruments Consumer Service
10700 Southwest Beaverton Highway
Park Plaza West, Suite 111
Beaverton, Oregon 97005
(503) 643-6758

ONE-YEAR LIMITED WARRANTY

WARRANTEE: This Texas Instruments electronic calculator warranty extends to the original purchaser of the calculator.

WARRANTY DURATION: This Texas Instruments electronic calculator is warranted to the original purchaser for a period of one (1) year from the original purchase date.

WARRANTY COVERAGE: This Texas Instruments electronic calculator is warranted against defective materials or workmanship. **THIS WARRANTY IS VOID IF: (i) THE CALCULATOR HAS BEEN DAMAGED BY ACCIDENT OR UNREASONABLE USE, NEGLECT, IMPROPER SERVICE OR OTHER CAUSES NOT ARISING OUT OF DEFECTS IN MATERIAL OR WORKMANSHIP, (ii) THE SERIAL NUMBER HAS BEEN ALTERED OR DEFACED.**

WARRANTY PERFORMANCE: During the above one (1) year warranty period your calculator will either be repaired or replaced with a reconditioned model of an equivalent quality (at TI's option) when the calculator is returned, postage prepaid and insured, to a Texas Instruments Service facility listed on the previous page. In the event of replacement with a reconditioned model, the replacement unit will continue the warranty of the original calculator or 90 days, whichever is longer. Other than the postage and insurance requirement, no charge will be made for such repair, adjustment, and/or replacement.

WARRANTY DISCLAIMERS: ANY IMPLIED WARRANTIES ARISING OUT OF THIS SALE, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE ABOVE ONE (1) YEAR PERIOD. TEXAS INSTRUMENTS SHALL NOT BE LIABLE FOR LOSS OF USE OF THE CALCULATOR OR OTHER INCIDENTAL OR CONSEQUENTIAL COSTS, EXPENSES, OR DAMAGES INCURRED BY THE PURCHASER.

Some states do not allow the exclusion or limitation of implied warranties or consequential damages, so the above limitations or exclusions may not apply to you.

LEGAL REMEDIES: This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

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