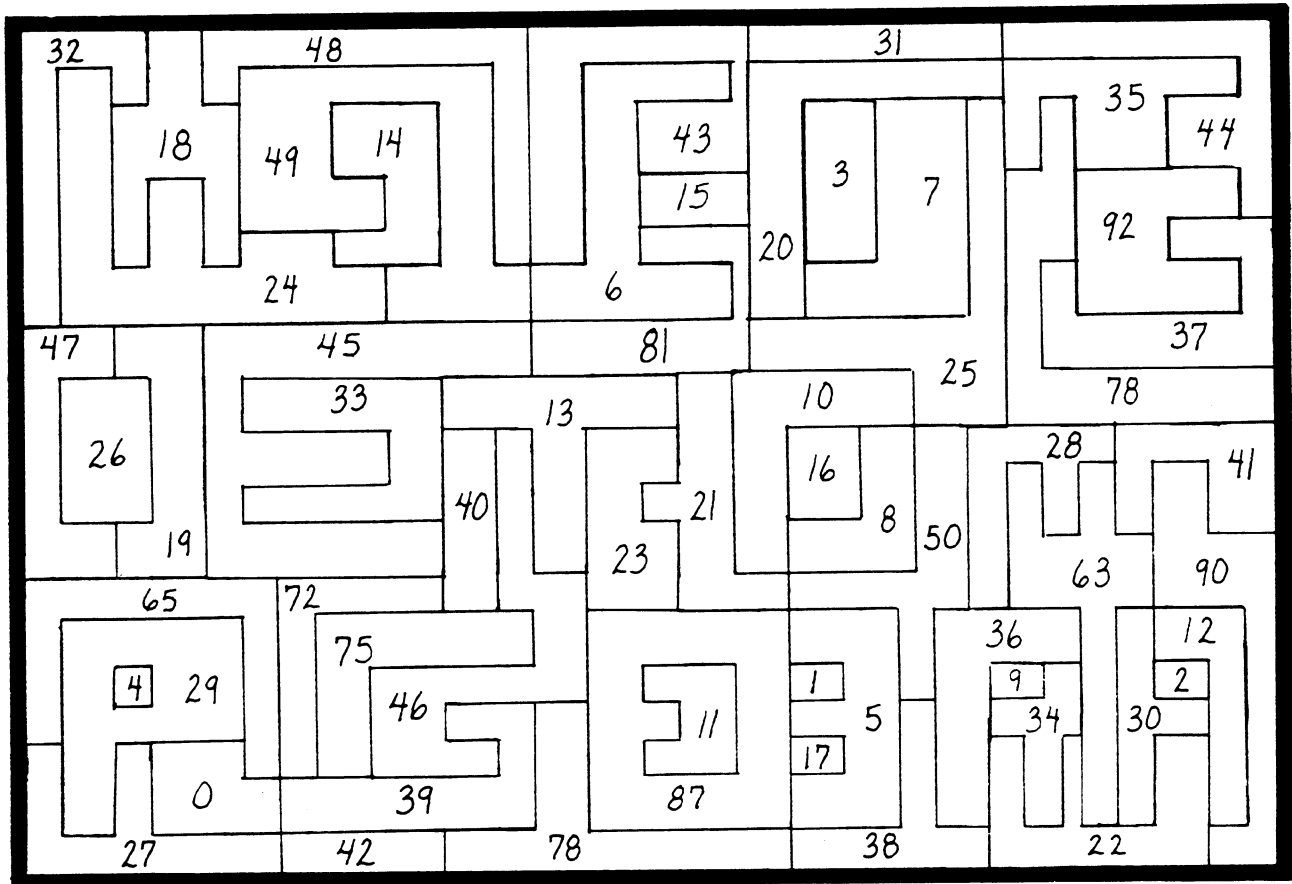


# THE BEGINNING



Simplify each problem. Shade the part of the picture that has the answer. You'll find a greeting!

- 1)  $24 \div 3 + 4 - 5$
- 2)  $15 \div 3 \times 6$
- 3)  $8 - (6 - 3)$
- 4)  $3 \times 3 + 1^2$
- 5)  $7(4 + 9 - 8)$
- 6)  $4 \times 2^2 - 10$
- 7)  $18 + 7 \times 6 \div 2$
- 8)  $\frac{2 \times 7 + 5 \times 3}{30 - 29}$
- 9)  $3 \times 2(3 - 1 + 2)$
- 10)  $8 + 2 \times 3^2 - 3 + 4^2 - 5$
- 11)  $\frac{8(3 + 4) - 2 \times 8}{5 - 3}$
- 12)  $8 + 3(7 - 4) - (13 - 9)$
- 13)  $(28 - 3) + (125 - 75)$
- 14)  $3 [2 + 5(3 - 1)]$
- 15)  $2 [3(7 - 5) + 4(8 + 2)]$
- 16)  $\frac{20 - [4^2 \div (2 + 14)] + 5}{4^2 - 13}$
- 17)  $23 - [(5 - 2)^2 + 8 \div 4]$
- 18)  $[(2 + 4 \times 3) - 8] + 9^2$
- 19)  $3 [2(7 + 3) - 5(6 - 2)]$
- 20)  $98 - [(3 + 5)^2 - (4^2 - 1)]$

# ALGEBRA

5I2BA01

<u>PAGE</u>	<u>TITLE</u>	<u>TOPIC</u>
1	THE BEGINNING	Order of operations.
2	TACKLE THESE PROBLEMS	Addition/subtraction of rationals.
3	COLLEGE KNOWLEDGE	Multiplication of rationals.
4	FEATHER BRAIN	Division of rationals.
5	DON'T BE SQUARE	Cumulative review of rationals.
6	LOVESCOPE	Evaluation of algebraic expressions.
7	TABLE TALK	$x \pm a = b$ (equation solving).
8	PURRFECT	$ax = b$ (equation solving).
9	WATER LOGGED	$ax + b = c$ (equation solving).
10	SPECIAL DELIVERY	Variables on both sides of equation.
11	FUNNY MONEY	Solving equations with parenthesis.
12	CENTS SENSE	Solving literal equations.
13	LUCK OF THE IRISH	Translating words into algebraic expressions.
14	DOUBLE WHAMMY	Solving inequalities.
15	CURVE SWERVE	Plotting points and graphing equations.
16	MATH CARTOON	Calculation of slope.
17	CASH FLOW	Identifying slope and y-intercept.
18	THE POINT IS ...	Writing linear equations.
19	TOPSY TURVY!	Solving systems by graphing.
20	WRONG NUMBER!	Solving systems by substitution.
21	AN ARTIC FREEZE	Solving systems (any method).
22	ONE OF A KIND	Multiplication/exponents.
23	WATCH YOUR LANGUAGE!	Division/exponents.
24	SCHOOL DAZE	Addition/subtraction of polynomials.
25	FOOTWORK	Multiplication/monomial by polynomial.
26	A KNOTTY THOUGHT	Multiplication/polynomials.
27	DIVISION RHYTHM	Division/polynomial by monomial.
28	A MATTER OF TIME	Division/polynomial by binomial.
29	BUTTON UP!	Factoring common monomials.
30	BAKER'S DOZEN	Factoring where leading coefficient is 1.
31	PASTIME	Factoring where leading coefficient $\neq 1$ .
32	ALLEY LITTER	Complete factorization.
33	MASS CONFUSION	Solving quadratics by factoring.
34	PRUNING JOB	Simplification of rationals.
35	DOUBLE YEAR	Multiplication/division of rationals.
36	INSTANT IGNITION	Addition/subtraction of rationals (same denominator).
37	BAILING OUT	Addition/subtraction of rationals (different denominators).
38	MAKING A PITCH	Multiplication of irrationals.
39	PATTERN PATTERN	Division and rationalization of denominators.
40	CANDLE POWER	Addition/subtraction of irrationals.
41	BIRDS OF A FEATHER	Quadratic equations.
42	ONE LAST TIME	Quadratic formula.