

Algebra 1 Index

Topic.....	Lesson	Topic.....	Lesson
Absolute value	2	Factoring	Student 1D; 4, 21, 22, 23, 26
Acre.....	29		27, 27H, 28H
Algebraic expressions	Student 6C	Fixed costs	25H, 26H
Area.....	3H, 24H, 35H	Fractions	
Associative property	1, 1H	division	Student 1C
Astronomical unit (A.U.)	34H	equations with	Student 3C
Atomic mass unit (amu)	32H	fraction of a number	Student 8C
Base 16.....	33H	multiplication	Student 1C
Bases	20, 33	to a decimal.....	Student 4D, 5E
Binomials--add and multiply	20	Graphs	
Break-even point	16H, 17H, 25H, 26H	circle	34
Cartesian coordinates	5, 6H	ellipse	34
Categories of numbers.....	3H	exponential	19-23H, 27H
Characteristic.....	32	hyperbola	35
Circle.....	34	inequalities.....	12, 13H
Coefficients	22	line.....	6, 7, 7H, 8, 8H, 10H, 11H
Coin problems	16	miscellaneous.....	4H, 14H
Commutative property	1, 1H	parabola	35
Computer graphics	33H	parallel lines	9
Cone.....	35	perpendicular lines	10
Consecutive integers.....	17	points.....	5
Cord of wood.....	29	Greatest common factor.....	Student 1E; 22
Cost.....	25H, 26H	Hyperbola	35
Counting numbers	3H	Hexadecimal math	33H
Cube root	31	Inequalities	12, 13H
Decimals		Intercept.....	7, 8
division	Student 2D	Integers	3H
equations with.....	Student 3D	Irrational numbers	3H
multiplication	Student 2C	Least common multiple. Student 2A-B, 3C-D	
to percents	Student 4D	Levels of math	2
Descartes.....	5	Kepler, Johannes.....	34H
Difference of two squares	25	Magnitude	5H
Distance, rate, and time	Student 28D, E	Manipulatives.....	3, 18, 20, 21, 22, 23, 25
Distributive property.....	4	Mantissa	32
Elimination	15	Measurement	
Ellipse.....	34, 34H	astronomical units	34H
Equation of a line (standard form)	9	atomic mass units	32H
Exponential growth.....	19-23H, 27H	customary	Student 11E, 12C; 28, 29
Exponential notation.....	20, 32	metric.....	Student 12C; 30
Exponents		traditional.....	30H, 31H
division	18	Natural numbers.....	3H
fractional.....	31	Negative numbers	
multiplication	18	addition and multiplication ..	Student 1A
negative	19	subtraction.....	Student 1B
raised to a power.....	19	Number line.....	5

Order of operations	2, 2H	Unit multipliers	28
Oriental squares	25	basic	28
Parabola	35, 35H	cubic unit	29
Percents		metric conversions	30
from fractions and decimals	Student 4D	more than one	29
from ratios	Student 11C	square units	29
percent of a number	Student 9C	Vectors	5H
Perimeter	3H	Velocity	29H
Pitch	8H	Vertex	35H
Place value	22	Whole numbers	3H
Polynomials		Word problems in honors lessons	
addition and multiplication	20, 24H	area	3H, 35H
division	24	astronomy	34H
factoring and GCF	22, 27H	break-even point	16H, 17H, 25H, 26H
factoring, repeated	26, 28H	chemistry	32H
factoring with coefficients	22, 23	coin type	18H
factoring with negative numbers	23	consecutive integer type	18H
solving	27	exponential growth	19H, 20H, 21H
square root	24	formulas	3H, 11H, 21H, 25H, 26H
Prime factors	Student 1D		29H, 34H, 35H
Profit	25H, 26H	general	1H, 2H
Pythagorean theorem	5H	inequalities	13H
Quadrants	5	linear	11H, 12H, 14H, 17H
Radicals	Student 10E, 18, 31	measurement (traditional)	30H, 31H
Rate	Student 28D, E	measurement (science)	32H, 34H
Ratio	Student 11C, 12C	parabola	35H
Rational numbers	3H	polynomial factoring	29H
Real numbers	3H	profit, revenue, and costs	25H, 26H
Recipe	1H	segmented	9H
Resultant	5H	simultaneous equations	14H, 15H
Revenue	25H, 26H	Yard (carpet and concrete)	29
Scatter diagrams	10H		
Scientific notation	32		
Significant digits	32		
Simultaneous equations			
solving by elimination	15		
solving by graphing	13		
solving by substitution	14		
word problems	14H, 15H		
Simultaneous inequalities	13H		
Slope	7, 7H, 8, 8H, 9, 10, 11		
Slope-intercept formula	7, 8, 9, 11		
Solving for an unknown			
by factoring	27		
one variable	3		
Square roots	Student 10E; 18, 24, 31		
Squares	18		
Standard form of an equation of a line	9		
Substitution	14		
Superscripts	Student 1A		