

Number of Terms at Each Grade Level for Each Mathematics Measurement Topic

	Total Terms in Topic	K	1	2	3	4	5	6	7	8	HS
Number and Quantity											
Number Names	72	44	44	45	27	28	27	1	0	0	0
Counting	13	6	9	8	3	0	0	3	3	3	2
Compare Numbers	20	9	11	8	10	6	5	1	1	1	0
Place Value	38	5	10	23	23	20	7	7	5	5	3
Foundations of Fractions	11	6	7	9	4	4	2	1	0	0	0
Fractions	32	7	9	14	17	18	15	7	4	2	1
Adding and Subtracting Fractions	24	5	7	11	14	16	12	5	1	1	0
Multiplying and Dividing Fractions	19	0	1	4	13	15	14	6	3	1	0
Decimal Concepts	24	2	4	7	9	13	11	12	6	5	1
Ratios and Unit Rates	30	0	0	1	8	11	13	19	18	15	3
Rational and Irrational Numbers	27	1	1	2	7	8	10	15	15	15	4
Exponents and Roots	33	0	0	3	7	9	9	13	12	15	13
Quantities	13	0	0	1	3	4	3	1	0	0	9
Operations with Complex Numbers	11	0	0	0	1	1	1	2	2	2	8
Polynomial Identities and Equations	9	0	0	0	1	1	1	1	1	2	7
Operations and Algebra											
Addition and Subtraction	76	16	32	42	45	33	24	16	12	7	0
Multiplication and Division	71	5	13	25	40	41	38	25	17	7	1
Properties of Operations	24	6	7	10	9	8	9	9	9	5	0
Expressions and Equations	37	0	3	6	13	13	17	24	21	14	0
Factors and Multiples	11	0	0	1	4	9	8	6	1	1	1
Patterns	27	2	5	6	13	10	13	11	11	7	1
Equations and Inequalities	37	0	2	4	14	15	15	17	15	18	6

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Operations and Algebra <i>(continued)</i>											
Dependent and Independent Variables	12	0	0	1	5	5	4	3	4	4	4
Slope	14	0	0	1	2	4	5	9	8	6	3
Systems of Equations	13	0	0	1	2	2	3	6	6	7	5
Structure of Expressions	4	0	0	0	1	2	2	3	2	2	0
Equivalent Expressions	15	0	0	0	4	5	5	2	1	2	9
Arithmetic Operations on Polynomials	8	0	0	0	0	0	1	2	2	7	6
Zeros and Factors of Polynomials	8	0	0	0	0	0	0	0	0	2	8
Polynomial Identities	3	0	0	1	1	1	0	0	0	1	2
Rational Expressions	7	0	0	0	0	2	2	3	1	3	4
Creating Equations	12	0	1	2	4	5	5	6	4	3	2
Reasoning to Solve Equations	32	0	0	3	5	5	2	15	16	17	12
Solving Quadratic Equations	9	0	0	1	1	1	0	0	0	1	8
Graphs of Equations and Inequalities	25	0	0	1	2	2	4	5	6	6	18
Functions											
Functions	39	0	0	1	4	4	6	11	11	14	24
Interpret Functions	23	0	1	2	5	4	3	2	2	11	16
Graph Functions	24	0	0	0	0	0	0	1	1	3	23
Properties of Functions	10	0	0	0	2	2	3	2	2	2	6
Model Relationships	14	0	1	2	4	3	2	3	3	4	7
Building New Functions	7	0	0	1	4	5	4	1	0	0	2
Linear and Exponential Models	20	0	1	2	3	2	1	2	2	4	15
Interpret Linear and Exponential Functions	5	0	0	0	0	0	0	0	0	1	5
Trigonometric Functions	10	0	0	0	0	1	2	2	1	0	8
Periodic Phenomena	6	0	1	1	1	0	0	1	1	1	4
Trigonometric Identities	10	0	0	0	0	0	0	1	1	1	9

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Geometry											
Shapes	53	7	11	17	22	23	24	21	14	7	3
Compose and Decompose Shapes	27	7	6	16	17	18	8	3	0	0	0
Lines and Symmetry	20	0	0	2	10	15	14	10	5	4	0
Coordinate System	46	1	1	2	10	14	28	28	24	9	7
Area	30	1	3	6	22	21	19	7	6	5	0
Perimeter	6	0	0	0	6	6	6	0	0	0	0
Surface Area	8	0	0	0	6	6	8	2	2	0	0
Volume	18	0	0	2	10	16	16	8	2	0	0
Scale Drawings	6	0	0	0	1	4	5	5	2	1	0
Angles	35	0	0	0	5	19	20	25	11	13	5
Pythagorean Theorem	5	0	0	0	0	1	1	1	0	4	4
Congruence and Similarity	22	0	0	0	4	5	5	6	5	9	12
Transformations	33	0	0	0	6	8	12	15	13	14	12
Geometric Theorems	9	0	0	0	0	0	0	1	1	1	8
Geometric Constructions	12	0	0	1	3	4	3	5	4	4	4
Dilations	9	0	0	0	2	4	4	3	1	2	4
Theorems Involving Similarity	5	0	0	0	1	1	1	0	0	0	4
Trigonometric Ratios	11	0	0	0	0	1	1	4	3	4	7
Geometric Trigonometry	6	0	0	0	0	2	2	2	0	0	4
Circle Theorems	12	0	0	0	0	1	1	8	7	7	4
Arc Length and Sectors	8	0	0	0	1	2	2	4	4	4	3
Conic Sections	6	0	0	0	0	0	0	1	2	3	5
Geometric Modeling	12	0	2	2	3	1	1	2	2	2	7
Measurement, Data, Statistics, and Probability											
Measurement	81	11	13	34	48	46	24	9	7	9	13
Represent and Interpret Data	30	3	6	9	16	15	13	11	8	5	0
Time	16	5	10	14	11	6	2	0	0	0	0

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Measurement, Data, Statistics, and Probability <i>(continued)</i>											
Money	8	1	6	8	7	2	0	0	0	0	0
Data Distributions	67	2	2	8	9	12	9	35	37	35	21
Random Sampling	53	0	2	5	8	7	5	20	24	23	25
Probability	54	1	2	5	9	11	11	18	22	20	26
Multivariable Data Distributions	44	1	2	2	2	1	3	13	15	31	28
Linear Models	14	0	0	0	1	1	1	4	4	5	9
Rules of Probability	9	0	1	1	1	0	0	2	2	2	6