

INDEXES

GRADE 8 GLOSSARY INDEX

	Unit Location		Unit Location
association	6	point of intersection	5,7
bivariate data	6	population	6
bivariate numerical data	6	proportional	4
categorical data	6	Pythagorean theorem	2
coefficient	4	radical expression	2,3
cone	1	rational numbers	2
congruent figures	9,10	real numbers	2
converse of the Pythagorean theorem	2	reflection	9
conjecture	3	relative frequency table	6
corresponding angles	1	repeating decimal	2
cube of a number	3	rigid motion	9, 10
cube root	3	rotation	9
cylinder	1	scale factor	10
data set	6	scientific notation	3
dependent variable	4	similar figures	10
dilation	10	slope-intercept form	5,7,8
exponent notation	3	slope of a line	5
exterior angle of a triangle	1	solution to an equation	7,8
frequency table	6	solve an equation	7,8
function	4,9	sphere	1
graph of a function	4	statistical question	6
hypotenuse	2	square of a number	2
image	9,10	square root	2
independent variable	4	substitution	7,8
input-output rule	4,5	supplementary angles	1
integers	2	system of linear equations	7,8
irrational numbers	2	transversal	1
legs	2	terminating decimal	2
line of best fit	6	transformation	9,10
linear function	5	translation	9
measurement data	6	two-way table	6
natural numbers	2	unit rate	4
numerical data	6	vertical angles	1
outlier	6	whole numbers	2
parallel	1,5,9	x-intercept	5
perpendicular	1	y-intercept	4,5
perfect square	2	zero pair	7

GRADE 8 TOPIC INDEX

	Unit Location
Number Sense	
Decimal expansions for rational and irrational numbers	2
Locate irrational numbers on a number line	2
Expressions and Equations	
Evaluate / solve problems with square and cube roots	2,3,10
Work with integer exponents	3
Write/compare numbers using scientific notation	3
Perform operations using scientific notation	3
Graph proportional relationships, interpret unit rate as slope, compare representations	4
Derive equation of a line, connect similarity and slope	5,6,10
Analyze and solve linear equations in one variable	7,8
Analyze and solve pairs of simultaneous linear equations	7,8
Functions	
Understand and graph functions as inputs and outputs	4,9
Compare function properties with different representations	4,5,7,8
Interpret linear ($y=mx+b$) and nonlinear functions	4,5,7,8,10
Construct function to model linear relationship	4,5,6,7,8
Analyze graphs to qualitatively describe functions	4,5,6
Geometry	
Angle measures for lines, triangles and parallel lines	1,10
Volumes of cones, cylinders, spheres	1
Explain and prove Pythagorean theorem	2,10
Apply Pythagorean theorem	2,9,10
Pythagorean theorem with coordinates	2
Verify experimentally properties of rigid motions	9
Define and apply definition of congruence	9
Describe effects of dilations and rigid motions using coordinates	9,10
Explain similarity thru rigid motions and dilation	10
Statistics	
Construct, interpret, describe scatter plots	6
Fit lines to scatter plots to model data relationships	6
Use linear model to solve problems with bivariate data	6
Interpret bivariate categorical data with two-way tables	6