

GLENCOE/MCGRAW-HILL
 MATHEMATICS CORRELATIONS
 GRADE 7

Mathematics New Generation Sunshine State Standards Crosswalk Correlations

Course Code 1205040

Course Category 6-12

Subject Area Mathematics

Course Type Core

Course Title M/J Mathematics 2 - 7th Regular

Course Level 2

Course Length Full Year

Credit

Description NA

Abbreviated

Title M/J Mathematics 2 - 7th Regular

RELATED BENCHMARKS (24) :

Scheme	Descriptor	lesson #
LA.7.1.6.5	The student will relate new vocabulary to familiar words;	Throughout Text/ Foldables
LA.7.3.2.2	The student will draft writing by organizing information into a logical sequence and combining or deleting sentences to enhance clarity; and	Throughout Text
MA.7.A.1.1	Distinguish between situations that are proportional or not proportional and use proportions to solve problems.	7-3, 7-3b
MA.7.A.1.2	Solve percent problems, including problems involving discounts, simple interest, taxes, tips and percents of increase or decrease.	5-5, 7-5 through 7-8a, 7-8, 8-1 through 8-6b
MA.7.A.1.3	Solve problems involving similar figures.	10-6 *need supplement
MA.7.A.1.4	Graph proportional relationships and identify the unit rate as the slope of the related linear function.	4-7 *need supplement
MA.7.A.1.5	Distinguish direct variation from other relationships, including inverse variation.	*need supplement

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<u>RELATED BENCHMARKS (24) :</u>		lesson #
MA.7.A.1.6	Apply proportionality to measurement in multiple contexts, including scale drawings and constant speed.	7-2, 7-4, 7-4b
MA.7.A.3.1	Use and justify the rules for adding, subtracting, multiplying, dividing, and finding the absolute value of integers.	12-1 through 12-5
MA.7.A.3.2	Add, subtract, multiply, and divide integers, fractions, and terminating decimals, and perform exponential operations with rational bases and whole number exponents including solving problems in everyday contexts.	12-1 through 12-5
MA.7.A.3.3	Formulate and use different strategies to solve one-step and two-step linear equations, including equations with rational coefficients.	1-5, 4-2 through 4-4, 4-2a, 4-4a, 4-6, 4-6a
MA.7.A.3.4	Use the properties of equality to represent an equation in a different way and to show that two equations are equivalent in a given context.	4-2, 4-3, 6-5
MA.7.A.5.1	Express rational numbers as terminating or repeating decimals.	5-4 and pp. 556, 562
MA.7.A.5.2	Solve non-routine problems by working backwards.	4-2 and 4-4a
MA.7.G.2.1	Justify and apply formulas for surface area and volume of pyramids, prisms, cylinders, and cones.	12-1 through 12-5 and 12-1b, 12-4a, 12-4b
MA.7.G.2.2	Use formulas to find surface areas and volume of three-dimensional composite shapes.	12-1 through 12-5 and 12-1b, 12-4a, 12-4b

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RELATED BENCHMARKS (24) :

		lesson #
MA.7.G.4.1	Determine how changes in dimensions affect the perimeter, area, and volume of common geometric figures and apply these relationships to solve problems.	12-1 through 12-5 and 12-1b, 12-4a, 12-4b
MA.7.G.4.2	Predict the results of transformations and draw transformed figures, with and without the coordinate plane.	10-7 through 10-9 and 10-9a and 10-9b
MA.7.G.4.3	Identify and plot ordered pairs in all four quadrants of the coordinate plane.	3-3
MA.7.G.4.4	Compare, contrast, and convert units of measure between different measurement systems (US customary or metric (SI)), dimensions, and derived units to solve problems.	6-7* need supplement
MA.7.P.7.1	Determine the outcome of an experiment and predict which events are likely or unlikely, and if the experiment is fair or unfair.	9-6 and 9-6b
MA.7.P.7.2	Determine, compare, and make predictions based on experimental or theoretical probability of independent or dependent events,	9-6, 9-6b, and 9-7
MA.7.S.6.1	Evaluate the reasonableness of a sample to determine the appropriateness of generalizations made about the population.	2-8, 9-1 and 9-2* need supplement
MA.7.S.6.2	Construct and analyze histograms, stem-and-leaf plots, and circle graphs.	2-5 through 2-8 and embedded labs

*check www.glencoe.com for additional supplemental lessons online