

MULTI-MEDIA MATERIALS FOR MCAT

The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for this exam. Bring your ID card to the Learning Center and ask for the lesson by the call number below. If there is more than one number listed, there are several alternatives for the lesson. You may pick and choose which works best for you.

TOPICS			CDs/DVDs	PLATO Available Under:
Solve applications involving whole numbers			Y1, Y2	Whole Numbers: Operations
Use the Order of Operations Agreement to simplify whole number expressions			Y2	The Integers: Concepts and Operations
Find the Least Common Multiple (LCM) and Greatest Common Factor (GCF)			Y3	
Write a mixed number as an improper fraction and vice versa			S3, Y3	Fractions: Operations
Find equivalent fractions by raising to higher terms and reducing to lowest terms			S3, Y3	Fractions: Operations
Perform operations on fractions			S2, Y1	Fractions: Operations
Solve mixed applications involving fractions			S3, Y4	Fractions: Operations
Identify the order relation between two fractions			S3, Y3	Fractions: Operations
Write decimals and perform operations on decimals			Y4	Decimal Operations
Solve mixed applications involving decimals			Y5	Decimal Operations
Determine if a proportion is true			X3, Y8	Rates, Ratio and Propotion
Solve proportions and application problems			X3, Y8	Rates, Ratio and Propotion
Write percents and find the amount, percent and base.			Y8	Percent
Solve application problems involving percent			X3, Y8, Y9	Percent
Read and interpret circle, bar and line graphs			Y10	Statistics: Box Plots, Histograms, Scatterplots
Find the mean and median of a set of numbers			Y10	Statistics: Inference, Data Anaylsis and Normal Distributions
Solve application problems with measurement			Y7, Y10	Measurement: Metric System and Standard System
Add, subtract, multiply, and divide integers and rational numbers			S1, X1, Y2, Y3	The Integers: Concepts and Operations
Evaluate and simplify variable expressions			X2, Y5, S1, S2	
Add, subtract, multiply, and divide monomials and polynomials			A2, S1, S2, X5, X6, Y5, Y6	Polynomials: Concepts, Operations, Equivalence
Simplify powers of monomials			S1, Y5, Y6	Polynomials: Concepts, Operations, Equivalence
Simplify expressions containing integer exponents			A1, A6, S1, X5, Y4	Exponents and Order of Operations: Introductory
Determine if a given value is a solution of an equation			S2, X2, Y6	Linear and Literal Equations and Formulas
Solve an equation of the form			A4, C1 Less 3a, 3b, 3c, S2, X2, Y	Linear and Literal Equations and Formulas
Translate a sentence into an equation and solve			S2, X2, Y6	Linear and Literal Equations and Formulas
Solve applications using perimeter and area			S2, X4	Coordinate Geometry
Solve application problems involving percent			X3, Y8	Percent
Factor polynomials			A2, W-1, S2, X6	Factoring Polynomials
Solve equations by factoring			A6, S3, X7	Quadratic Equations: Solving
Simplify a rational expression			A6, S3, X7	Rational Expressions: Concepts, Operations and Solving
Solve a literal equation for one of the variables			A4, S2	Linear and Literal Equations and Formulas
Determine a solution of a linear equation in two variables			A5, S4, X7, X8	Linear and Literal Equations and Formulas
Graph an equation of the form A	B	C	A4, C1 Less 3a, 3b, 3c, S4, X5, Y	Linear and Literal Equations and Formulas
Find the slope, x and y intercepts and equations of straight lines			A4, C1 Less 3a, 3b, 3c, S4, X5, Y	Linear and Literal Equations and Formulas
Solve an inequality			A5, W-1, S4, X4	Absolute Value Equations and Inequalities
Perform operations on exponents			S1, X5	Exponents and Order of Operations: Introductory
Find the square root of a number			S3, X8	Rationals and Radicals: Exponents and Equations
Use scientific notation			S1, X5	Scientific Notation
Find the probability of a simple event			G-9, H9, J26, L4, SB15, Y10	Probability: Random Variables, Expected Values, Counting Rules
Simplify radicals			A7, A8, S3, S4, W-1, X8, X9	Rationals and Radicals: Exponents and Equations