

MULTIMEDIA MATERIALS FOR K-6 LICENSING EXAM

The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for the following topics on the CST. 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. Situational DVDs relate concepts to real-life situations. Tutorial DVDs present computations related to concepts.

TOPIC	SITUATIONAL DVDs	TUTORIAL CDs/DVDs	PLATO AVAILABLE UNDER:
Whole Numbers		X1	Whole Numbers: Place Value and Reading and Writing Numbers; Operations
Exponents	J3	Y4, X1, W1, A1	Exponents and Order of Operations: Introductory
Scientific Notation		V6, X5, S1	Scientific Notation
Writing, rounding and comparing decimals		Y4, I1, M1	Decimal Concepts: Place Value, Ordering, Rounding
Performing operations on decimals		Y4	Decimals: Operations
Solving mixed applications with decimals		Y5	Decimals: Operations
Square Roots		Y5, A5, X8	Roots
Converting mixed numbers & improper fractions		S3, X1, Y3	Fractions: Definition, Notation, Simplifying Comparing and Renaming
Solving mixed applications with fractions		X1, Y1, Y3, A1	Fractions: Operations
Comparing fractions		X1, Y1, Y3	Fractions: Definition, Notation, Simplifying Comparing and Renaming
Operations on integers		S1, X1, A1, Y2	Integers: Concepts and Operations
Verbal problems with integers		Y-6, S4	Integers: Concepts and Operations
Order of Operations		Y2, Y4, A1, S1, X1	Integers: Concepts and Operations
Factors/ Multiples		AT1, D3	Factors and Multiples
Least common multiple/Greatest common factor		Y3, D3	Factors and Multiples
Functions	J13	K1, G1, D3	Functions: Notation, Domain, Range, Properties, etc.
Formulas		A4, S2	Linear and Literal Equations and Formulas
Ratios & rates		X3, Y8	Rates, Ratio and Proportion
Solving application problems using ratios and proportions		X3	Rates, Ratio and Proportion
Converting fractions and decimals to percents & vice versa		Y8	Percent
Finding the amount, percent, & base in percent problems and solving applications		Y8, Y9, X3	Percent
Probability-Independent and dependent events	J26, SB15	W3, G9, D5, L4	Probability: Introductory
Scatterplots			Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Mean, Median, Mode		Y10, I1, M1, D5	Statistics: Introductory- Measures of Center and Spread
Circles	J11, H8, I1	V12, O1, Z7	Circles: Inscribed, Circumscribed, Angles, Arc Length, etc
Angles		AT4, Z1, Z5	Angles including Transversals
Polygons		Z9, Z6, D5	Polygons
Similarity		Z4, D5	Similarity, Proofs and Constructions
Coordinate geometry		Z7, G1, D5	Coordinate Geometry
Arithmetic and Geometric Series	J22, J23	V13, W3, G8, D1	Patterns and Sequences
Harmonic Series		C7	
Area/Volume		D6	Volume: Rectangular Prisms, Cones, Pyramids, Cylinders, and Spheres & Area. Perimeter and Circumference
Pythagorean Theorem	H20	Z5, D6	Pythagorean Theorem