

Optimum Resource Inc.'s MiddleWare Software

California Standards - Seventh Grade Mathematics	Math Word Problems
NUMBER SENSE	
1.0 Students know the properties of, & compute with, rational numbers	✓
expressed in a variety of forms	
2.0 Students use exponents, powers and roots & use exponents in	✓
working with fractions	
ALGEBRA AND FUNCTIONS	
1.0 Students express quantitative relationships by using algebraic	✓
terminology, expressions, equations, inequalities, & graphs	
2.0 Students interpret & evaluate expressions involving integer	✓
powers & simple roots	
3.0 Students graph & interpret linear & some nonlinear functions	
4.0 Students solve simple linear equations & inequalities over the rational numbers	
MEASUREMENT AND GEOMETRY	
1.0 Students choose appropriate units of measure & use ratios to convert	
within & between measurement systems to solve problems	

Optimum Resource Inc.'s MiddleWare Software

	Math Word Problems
California Standards - Seventh Grade Mathematics	
2.0 Students compute the perimeter, area, & volume of common geometric	
objects & use the results to find measures of less common objects.	
They know how perimeter, area, & volume are affected by changes of scale	
3.0 Students know the Pythagorean theorem & deepen their understanding of	
plane & solid geometric shapes by constructing figures that meet given conditions	
& by identifying attributes of figures	
STATISTICS, DATA ANALYSIS, & PROBABILITY	
Students collect, organize, & represent data sets that have one or more variables	
& identify relationships among variables within a data set by hand & through the	
use of an electronic spreadsheet software program	
MATHEMATICAL REASONING	
1.0 Students make decisions about how to approach problems	
2.0 Students use strategies, skills, & concepts in finding solutions	✓
3.0 Students move beyond a particular problem by generalizing to other situations	✓