

Optimum Resource Inc. Educational Software and Print Resources

	Math Word Problems
Illinois Standards - Third Grade Mathematics	
Demonstrate and apply a knowledge & sense of numbers, including numeration & operations	
(addition, subtraction, multiplication, division), patterns, ratios & proportions.	
Identify whole numbers & compare them using the symbols $<$, $>$, or $=$ & the words	
less than, "greater than", or "equal to", applying counting, grouping & place value	
Identify & model fractions using concrete materials & pictorial representations	
Solve one- and two-step problems with whole numbers using addition, subtraction, multiplication & division	✓
Select & perform computational procedures to solve problems with whole numbers	✓
Show evidence that whole number computational results are correct &/or that estimates are reasonable	✓
Compare the numbers of objects in a group	
Estimate, make & use measurements of objects, quantities & relationships	✓
& determine acceptable levels of accuracy.	
Measure length, volume & weight/mass using rulers, scales & other appropriate measuring instruments	
in the customary & metric systems	
Measure units of time using appropriate instruments	
Identify & describe the relative values & relationships among coins and solve addition & subtraction problems using currency	✓
Reading temperatures to nearest degree from Celsius and Fahrenheit thermometers	
Given a problem, describe possible methods for estimating a given measure	
Compare estimated measures to actual measures taken with appropriate measuring instruments	
Determine perimeter & area using concrete materials	

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Use algebraic & analytical methods to identify & describe patterns relationships in data, solve problems and predict results.	✓
Identify, describe & extend simple geometric & numeric patterns	
Solve simple number sentences	✓
Solve problems involving pattern identification and completion of patterns	
Describe the basic arithmetic operation (addition, subtraction, multiplication, division)	✓
orally, in writing and using concrete materials and drawings	
Find the unknown numbers in whole-number addition, subtraction, multiplication & division situations	✓
Use geometric methods to analyze, categorize and draw conclusions about points, lines, planes and space.	
Identify related two- and three-dimensional shapes including circle-sphere, square-cube,	
triangle-pyramid, rectangle-rectangular prism & their basic properties	
Draw two-dimensional shapes	
Identify and describe characteristics, similarities & differences of geometric shapes	
Sort, classify & compare familiar shapes	
Identify lines of symmetry in simple figures & construct symmetrical figures using various concrete materials	
Draw logical conclusions and communicate reasoning about simple geometric figures and	
patterns using concrete materials, diagrams & contemporary technology	

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Collect, organize & analyze data using statistical methods; predict results;	
and interpret uncertainty using concepts of probability.	
Organize & display data using pictures, tallies, tables, charts or bar graphs	
Answer questions & make predictions based on given data	
Formulate questions of interest & design surveys or experiments to gather data	
Collect, organize & describe data using pictures, tallies, tables, charts or bar graphs	
Analyze data, draw conclusion & communicate the results	
Describe the concept of probability in relationship to likelihood & chance	
Systematically list all possible outcomes of a simple one-stage experiment	