

Number Talks

Common Strategies Students Should Know/Use

ADDITION	SUBTRACTION
<p>Strategies: Making Tens Making Landmark or Friendly Numbers Doubles/Near Doubles Breaking Numbers into Place Value Compensation Adding in Chunks</p> <p>Models: Open Number Line Part/Whole Box Real Life Contexts</p>	<p>Strategies: Adding Up Removal or Counting Back Place Value and Negative Numbers Adjusting One Number to Create an Easier Problem Keeping a Constant Difference</p> <p>Models: Open Number Line Part/Whole Box Real Life Contexts</p>
MULTIPLICATION	DIVISION
<p>Repeated Addition or Skip Counting Making Landmark or Friendly Numbers Partial Products Doubling and Halving Breaking Factors into Smaller Factors</p> <p>Models: Arrays Open Array Real Life Contexts</p>	<p>Repeated Subtraction/Dealing Out Partial Quotients Multiplying Up Proportional Reasoning</p> <p>Models: Arrays Open Array Real Life Contexts</p>

All of the above Strategies are explained in *Number Talks Helping Children Build Mental Math and Computational Strategies* by Sherry Parris