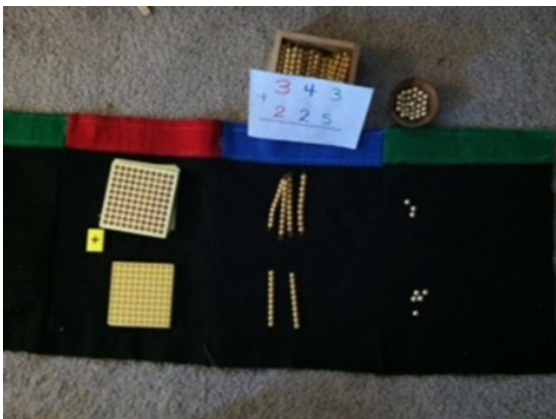


Golden Beads: The Golden Ticket for Math Exploration



The layout above demonstrates how each value has a colored workspace to create. It also allows the child space above to hold materials they can utilize to build numbers. Units are single beads which represent the ones column. The tens beads are ten units strung together. The hundreds are a square representation of ten tens beads fused together. The thousand cube is ten hundreds fused together. These materials can be used for all mathematical operations. The picture below demonstrates the set up for static addition. Friends build each number then add the quantities together. When the friend moves on to dynamic addition they can learn how to exchange ten units for an additional ten chain, etc. Thus allowing them to concretely feel the change and build the answer.



A friend uses golden beads to build a number using thousands, hundreds, tens and units. She can manipulate each bead to carefully construct the number and visualize how much the number is worth.