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Cynthia A Crumb* (crumb@jaguar1.usouthal.edu), Dept. of Mathematics & Statistics, ILB 325, University of South Alabama, Mobile, AL 36688. *Seeing sums of single digit numbers.*

An inexpensive visual representation for single digit numbers and ten that communicates clearly the one-to-one concept can readily be made using cards with images of some of a normal set of dominoes. We want to examine whether this visual is strong in representing the number concept. We examine ways to use it at K-2 levels in communicating the one to one concept itself, knowing that it will eventually serve as representation for the number of dots on the domino. We proceed from this point to obtain pictures of sums of single digit numbers. We want to point out that some of these sums can be represented by a single domino while others will require two. Sums that require two dominoes must use a 10 domino as one of the new pair having an equal number of dots as the two summand dominoes. We then want to examine using the dominoes for pictures of other mathematical operations that fall into the memory group. We will work with subtraction, subtraction with regrouping, multiplication, and division. The intent is to provide a strong visual of single digit numbers and number facts to support the oral memory and flash card memory methods. Come see what you think! (Received September 25, 2006)