



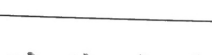









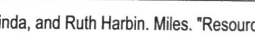








ADDITION AND SUBTRACTION STRUCTURE TYPES, Grades K-2

Situation	Problem	Physical Model	Part Part Whole	Equation(s)
Add to – Result unknown Grades K-2	Frank had five pennies. Mark gave him four more. How many pennies does Frank have?	 	<div style="text-align: center;">Whole</div> <div style="border: 1px solid black; width: 100px; height: 15px; margin: 0 auto;"></div> <hr style="width: 100%; border: 0; border-top: 1px solid black; margin: 5px 0;"/> <div style="display: flex; justify-content: space-around; width: 100%;"> Part Part </div> 	$5 + 4 = \underline{\quad}$
Take from – Result unknown Grades K-2	Frank had nine pennies. He spent five pennies on a jawbreaker. How many pennies does he have left?	 	<div style="text-align: center;">Whole</div> <div style="border: 1px solid black; width: 100px; height: 15px; margin: 0 auto;"></div> <hr style="width: 100%; border: 0; border-top: 1px solid black; margin: 5px 0;"/> <div style="display: flex; justify-content: space-around; width: 100%;"> Part Part </div> 	$9 - 5 = \underline{\quad}$
Put together take apart – Total unknown Grades K-2	Anna has eight pennies and three nickels. How many coins does she have?	 	<div style="text-align: center;">Whole</div> <div style="border: 1px solid black; width: 100px; height: 15px; margin: 0 auto;"></div> <hr style="width: 100%; border: 0; border-top: 1px solid black; margin: 5px 0;"/> <div style="display: flex; justify-content: space-around; width: 100%;"> Part Part </div> 	$8 + 3 = \underline{\quad}$
Put together take apart – addends unknown Grades K-2	Anna has six coins. Some are pennies and some are nickels. How many pennies and how many nickels could Anna have?	<p style="margin: 0;">Pennies</p>       <p style="margin: 0;">Nickels</p>     	<div style="text-align: center;">Whole</div> <div style="border: 1px solid black; width: 100px; height: 15px; margin: 0 auto;"></div> <hr style="width: 100%; border: 0; border-top: 1px solid black; margin: 5px 0;"/> <div style="display: flex; justify-content: space-around; width: 100%;"> Part Part </div> 	$1 + 5 = 6$ $2 + 4 = 6$ $3 + 3 = 6$ $4 + 2 = 6$ $5 + 1 = 6$

Adapted from Gojak, Linda, and Ruth Harbin. Miles. "Resources." The Common Core Mathematics Companion: The Standards Decoded, Grades 3-5. Thousand Oaks: Corwin, 2010.

