

Rekenrek

The Rekenrek is both a visual way for students to understand numbers up to 20, learn ways to compose and decompose the numbers, and learn about properties of numbers. The routine is from the book Number Sense Routines by Jessica Shumway (see pp 49-51 for a more information).

<p><i>Helps with...</i></p>	<p><i>How it Works</i></p>	<p><i>Ways to Use the Routine and Questioning Strategies</i></p>
<ul style="list-style-type: none"> • Grouping • Using the ten-structure and five-structure • Composing and decomposing 20 • Teen numbers • Part-part-whole 	<p>The rekenrek is a Dutch arithmetic rack.</p> <p>It has two rows with 10 beads on each.</p> <p>Each row of 10 beads is made up of 5 red beads and 5 white beads.</p> <p>(There is a white panel attached to the end of the frame that allows you to hide some beads and show other beads.)</p> <p>You can use the rekenrek in a Quick Images manner to encourage the use of groupings.</p> <p>And, like the ten-frame, the rekenrek highlights the five- and ten-structures.</p> <p>The rekenrek is different in that it has 20 beads total and the beads move on the rods, giving it a kinesthetic aspect.</p>	<p>Use these questioning strategies with the rekenrek:</p> <ul style="list-style-type: none"> • Can you show a way to make fifteen? • Can you show another (a different) way to make fifteen? • How many do we need to add to make seventeen? • How many do we need to take away to make twelve? • What can we do to make eight? <ul style="list-style-type: none"> • How many are hiding behind the white panel? <div data-bbox="885 1354 1404 1785" style="text-align: center;"> </div>