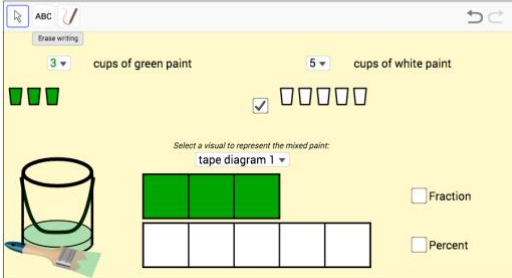

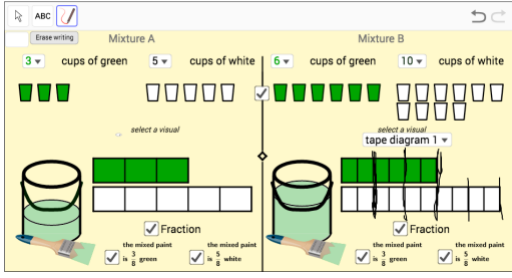
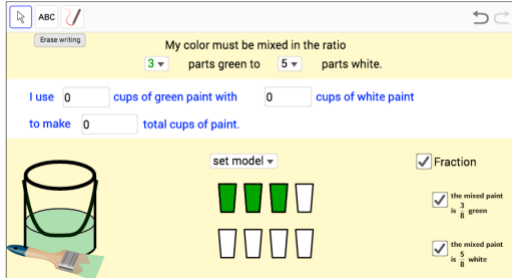


Mixing Paint Collection Apps

App Name & Description	Image	Notes	Example Problem
<p>Mixing Paint https://www.geogebra.org/m/FBT7YXDZ</p> <p>You set up a ratio related to mixing white paint with another color of paint. After selecting the amounts of each color and you “mix” the paint, you can choose among different diagrams: two separate tapes (pictured on the right), one tape with the total, or a circle area model. You can also choose to hide the diagram choices and use the pen tool to draw your own diagram on the app. Click on the paint can to hide it.</p>		<p>This app can help learners when they visualize mixing problems. The app shows multiple types of diagrams, as well as the fraction and the percent, which may be helpful scaffolding.</p>	<p>The ratio of green paint to white paint is 3 to 5. If there are 9 cups of green paint, how many cups of white paint are needed?</p> 
<p>Comparing Mixtures 12 cups: https://www.geogebra.org/m/skqDWFbm 24 cups: https://www.geogebra.org/m/nHZZr3wd</p> <p>You set up 2 mixtures including white paint and a different color of paint, following the same process as the Mixing Paint app (above). You can compare the images of the paint cans and the diagrams for 2 mixtures side-by-side. You can hide one side by pulling the handle in the middle of the vertical dividing segment. You can use the same ratio on both sides to simultaneously show different diagrams.</p>		<p>This app helps learners see relationships across 2 representations. For both mixtures it shows the color, volume, and diagrams, as well as the ratios as fractions and percentages.</p>	<p>You have a ratio of 3 green : 5 white. If you use 6 cups of green paint, how many cups of white paint do you need?</p>
<p>Using Ratios to Mix Paints https://www.geogebra.org/m/UWYjEuSN</p> <p>Set up and check your answer to problems related to mixing paints. You designate the ratio and then type in two out of the three quantities in the problem. The app checks your answer to the problem (the third quantity) and gives you feedback.</p>		<p>This app helps learners by providing the problem in text and also by generating a visual to help solve the problem.</p>	<p>Mix mint-colored paint using 3 parts green with 5 parts white. If you have 6 cups of green paint and 10 cups of white paint, how much mint-colored paint do you make?</p>