

Task: Find how much white paint should be mixed with 2 ounces of red paint so that the batch is the same shade of pink as a batch with 4.5 ounces of white paint and 1.5 ounces of red paint.

1. Go to the “Making Pink Paint” applet: <https://www.geogebra.org/m/VJqbgFfV>. Use the applet to make a batch of paint with 4.5 ounces of white paint and 1.5 ounces of red paint.
2. Imagine that the 1.5 ounces of red paint went into the batch first, then the 4.5 ounces of white paint went in and the paint did not mix. Create a picture of the paint in the container. Label your picture.
3. What is the relationship between the amount of white paint and the amount of red paint in the batch of paint with 4.5 ounces of white paint and 1.5 ounces of red paint? How much white paint should be mixed with 2 ounces of red paint to make a batch that is the same shade of pink as the batch with 4.5 ounces of white paint and 1.5 ounces of red paint? Explain your thinking.

