

Lesson 4: Comparing Proportional Relationships

Cool Down: Different Salt Mixtures

Here are recipes for two mixtures of salt and water that taste different.

Information about Salt Mixture A is shown in the table.

salt (teaspoons)	water (cups)
4	5
7	$8\frac{3}{4}$
9	$11\frac{1}{4}$

Salt Mixture B is defined by the equation $y = 2.5x$, where x is the number of teaspoons of salt and y is the number of cups of water.

1. If you used 10 cups of water, which mixture would use more salt? How much more? Explain or show your reasoning.
2. Which mixture tastes saltier? Explain how you know.