

**Problem of the Week: Week 1 (Summer 2): Year 8: Number: Decimals and fractions**

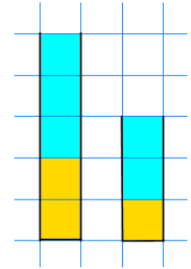
- Relate the language of ratios and the associated calculations with the arithmetic of fractions

**Mixing lemonade**

I mixed up some lemonade in two glasses.

The first glass had 200ml of lemon juice and 300ml of water.

The second glass had 100ml of lemon juice and 200ml of water.

**Which mixture has the stronger tasting lemonade?****How do you know?**

How might you use fractions to help you to work out which mixture is stronger?

How might you use ratios?

**Can you make lemonade that is weaker than the weakest one here?**

**Can you make lemonade that is stronger than the strongest one here?**

If you combine the original two glasses of lemonade what fraction of the mix is lemon juice?

<https://nrich.maths.org/6870>

