Mathematics

Representing Ratio
Lesson 1 of 4
Downloadable Resource

Miss Kidd-Rossiter

Try this

Antoni, Binh, Cala and Xavier are mixing tins of green and white paint.
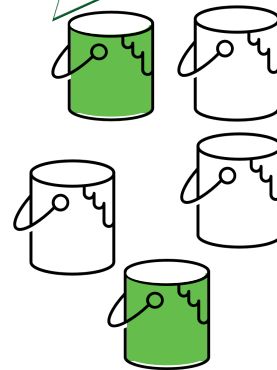
I mixed green and white paint in the ratio 5:2.

I mixed green and white paint in the ratio 6:2.

I mixed green and white paint. $\frac{3}{4}$ of the paint is green.

I mixed green and white paint. $\frac{3}{10}$ of the paint is white.

How could you compare the colours they have made?

Independent task

1. The ratio of purple balls to yellow balls in a bag is 3 : 5. What fraction of the balls are yellow?

2. There are purple and yellow balls in a bag. 3/8 of the balls are yellow. Write down the ratio of purple to yellow balls.

3. The ratio of purple balls to yellow balls to green balls is 3 : 5 : 2. What fraction of the balls are yellow?

Independent task

4. Pink paint is made with red and white in the ratio 4:3. Copy and complete the table so that each line makes the same colour of pink.

Red	White	Total
8 litres		
	15 litres	
10 litres		
		28 litres

5. I split a line in the ratio black:white as 4:8.

Explain what each of these numbers could represent in the bar: $\frac{1}{2}, 2, \frac{1}{3}, \frac{2}{3}$

Explore

Antoni has lots of tins of green and white paint.

He is mixing **up to seven** tins together.

How many **different shades** can he make?

What if he could mix 8 tins, or 9 tins?