

# fs4u

## Calculations using Ratios

### ‘How To’ Booklet 12

# Compare Ratios

## RULE

Like fractions, ratios must be the same type before you can compare them.

e.g. Which is stronger, a 1:20 or a 7:8 ratio

1:20 multiply this by 7 = 7:140

7:8                                      7:8

So, the 7:8 is stronger because it means 7ml : 8ml instead of 7ml : 140 ml

This is difficult, so do ask for help.

1	<p>The more cement in a mixture, the stronger it is. Which is the stronger of these?</p> <p>sand : cement</p> <p>a) 3:1                      (multiply a x 2)</p> <p>b) 5:2</p>
2	<p>The ratio of men to women at a swimming bath varies. Which has more women?</p> <p>men : women</p> <p>a) 1:6                      (multiply by 2)</p> <p>b) 2:15</p>
3	<p>Cake mixtures vary; from a) and b) below choose the one with more fruit.</p> <p>fruit : other ingredients</p> <p>a) 2:4</p> <p>b) 6:1                      (multiply by 4)</p>