Writing ratios as fractions

Ratios show how one number is related to another number.

When Craig explained about mixing paint, he talked about ratios and fractions. He explained that to create the first colour he mixed:

3 parts blue to 1 part white	4 parts (3 + 1)
$\frac{3}{4}$ blue to $\frac{1}{4}$ white	$\frac{3}{4} : \frac{1}{4}$

Here's another example for mixing juice and water:

1 part juice to 5 parts water	6 parts (1+ 5)
$\frac{1}{6}$ juice to $\frac{5}{6}$ water	$\frac{1}{6} : \frac{5}{6}$

Have a go at writing these ratios as fractions:

1. Use 1 shovel of cement to 3 shovels of sand.

2. Use 1 part screen wash to 9 parts water.

3. Use 1 cup oil to 2 cups sugar to 4 cups flour.
(Tip: add all the parts together as usual.)

4. Make 2 cups of tea to 1 cup of coffee.

5. Put out 1 chocolate biscuit to every 4 plain biscuits.

Now check your answers with the answer sheet.