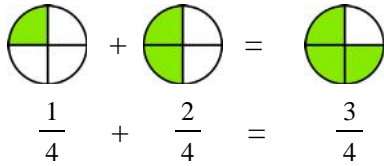
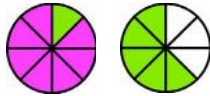


# Adding Fractions

It is easy to add fractions that have the same kinds of parts. Study the examples.



**Example 1.** Here, think of the pie pieces or slices. One fourth means one piece, and two fourths means two pieces. In total we have three pieces, and they all are fourths. So, the answer is  $\frac{3}{4}$ .



$$\frac{7}{8} + \frac{6}{8} = \frac{13}{8} = 1\frac{5}{8}$$

**Example 2.** In this picture we have shaded (added) seven slices and then another six slices. All the slices are eighth parts so we can simply count how many eighths we get: 13 eighths or  $\frac{13}{8}$ .

That makes more than one whole pie, so the answer is given as a mixed number:  $1\frac{5}{8}$ .

1. Solve. You can shade parts to help you. Give your answer as a mixed number when possible.

<p>a. <math>\frac{1}{6} + \frac{3}{6} =</math> </p>	<p>b. <math>\frac{2}{8} + \frac{5}{8} =</math> </p>
<p>c. <math>\frac{7}{8} + \frac{7}{8} =</math> <math>=</math> </p>	<p>d. <math>\frac{7}{10} + \frac{5}{10} =</math> <math>=</math> </p>

This is a fraction strip:

The shaded parts illustrate the addition  $\frac{4}{5} + \frac{4}{5} = \frac{8}{5} = 1\frac{3}{5}$ .

2. Add. Shade parts with different colors. Give your answer as a mixed number.



a.  $\frac{3}{5} + \frac{4}{5} =$



b.  $1\frac{2}{5} + \frac{4}{5} =$



c.  $\frac{13}{10} + \frac{6}{10} =$



d.  $1\frac{3}{8} + \frac{6}{8} =$