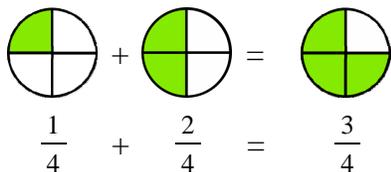
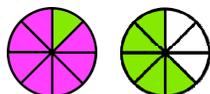


Adding Fractions and Mixed Numbers 1



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

To add $\frac{1}{4}$ and $\frac{2}{4}$, think of the pie pieces. One fourth means one piece, and two fourths means two pieces. In total we have three pieces, and they are fourths. So, the answer is $\frac{3}{4}$.

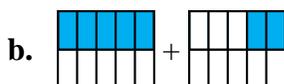
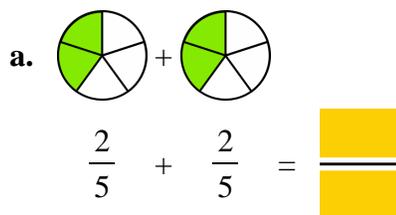


$$\frac{7}{8} + \frac{6}{8} = \frac{13}{8} = 1\frac{5}{8}$$

In this picture we have *shaded* (added) **seven** slices and then another **six** slices. All the slices are **eighth parts** so we can just count how many eighths we get: 13 eighths.

But that makes **more than one whole pie**, so the answer is given as a *mixed number*.

1. Write an addition sentence.



2. Shade parts. Then write an addition sentence. Look at the example.

a. Shade $\frac{1}{6}$, then $\frac{3}{6}$.



$$\frac{1}{6} + \frac{3}{6} = \frac{4}{6}$$

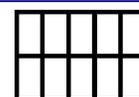
b. Shade $\frac{2}{8}$, then $\frac{5}{8}$.



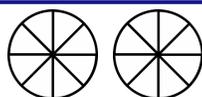
c. Shade $\frac{3}{12}$, then $\frac{5}{12}$, then $\frac{2}{12}$.



d. Shade $\frac{1}{10}$, then $\frac{3}{10}$, then $\frac{4}{10}$.



e. Shade $\frac{3}{8}$, then $\frac{7}{8}$.



f. Shade $\frac{3}{4}$, then $\frac{3}{4}$.

