

# Add and subtract fractions

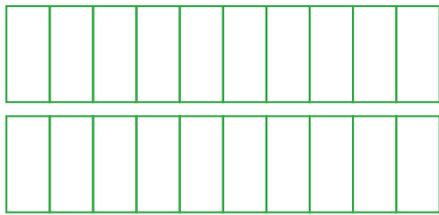
1. Shade the shapes to show both fractions, then complete the addition.



$$\frac{3}{8} + \frac{2}{8} =$$



$$1\frac{1}{4} + \frac{2}{4} =$$

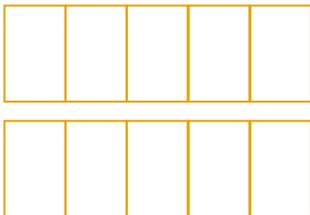


$$\frac{12}{10} + \frac{2}{10} =$$

2. Shade the shapes to show the first fraction, then cross out the fraction that is subtracted. Complete the subtraction.



$$\frac{7}{8} - \frac{2}{8} =$$



$$\frac{7}{5} - \frac{4}{5} =$$



$$2\frac{8}{10} - 1\frac{5}{10} =$$

3. Find a common denominator, then complete the operation.

$$\frac{1}{3} + \frac{2}{6} = \frac{\quad}{6} + \frac{2}{6} = \frac{4}{6} = \text{---}$$

$$\frac{9}{10} - \frac{2}{5} = \frac{9}{10} - \frac{4}{10} = \frac{5}{10} = \text{---}$$

$$\frac{2}{8} + \frac{1}{4} = \text{---} + \text{---} = \text{---} = \text{---}$$

$$\frac{3}{4} - \frac{1}{8} = \frac{6}{8} - \frac{1}{8} = \text{---}$$

$$\frac{1}{5} + \frac{1}{10} = \text{---} + \text{---} = \text{---}$$

$$\frac{2}{3} - \frac{3}{9} = \frac{6}{9} - \frac{3}{9} = \frac{3}{9} = \text{---}$$



4. Solve each problem. Draw a diagram to show your working out.

Colour  $\frac{2}{8}$  of a circle red and  $\frac{2}{4}$  blue. How much of the circle was coloured altogether?

The water tank was  $\frac{4}{5}$  full. The gardener used  $\frac{1}{10}$  of that water in the garden.  
How much was left in the tank?

$\frac{3}{5}$  of the students in one class had brown hair and  $\frac{3}{10}$  had black hair. What fraction had neither brown nor black hair?