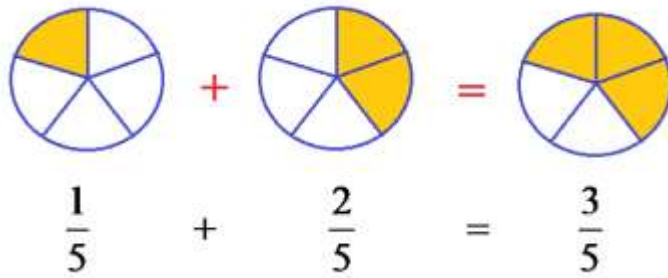


# Adding and subtracting fractions

## KM maths

### Example



Read the question carefully to see if you need to add or subtract.

Hint = the bottom number stays the same

1)  $\frac{7}{6} + \frac{2}{6} = \frac{\quad}{6}$

2)  $\frac{7}{5} - \frac{4}{5} = \frac{\quad}{5}$

3)  $\frac{9}{10} - \frac{7}{10} = \frac{\quad}{10}$

4)  $\frac{7}{9} + \frac{6}{9} = \frac{\quad}{9}$

5)  $\frac{8}{7} + \frac{6}{7} = \frac{\quad}{\quad}$

6)  $\frac{11}{4} - \frac{6}{4} = \frac{\quad}{\quad}$

7)  $\frac{12}{15} + \frac{7}{15} = \frac{\quad}{\quad}$

8)  $\frac{15}{12} - \frac{4}{12} = \frac{\quad}{\quad}$

9)  $\frac{11}{6} - \frac{7}{6} = \frac{\quad}{\quad}$

10)  $\frac{12}{9} + \frac{13}{9} = \frac{\quad}{\quad}$

11)  $\frac{19}{20} - \frac{13}{20} = \frac{\quad}{\quad}$

12)  $\frac{9}{7} + \frac{8}{7} = \frac{\quad}{\quad}$

## HBS maths

Read the question  
carefully to see if you  
need to add or subtract.

$$1) \quad \frac{7}{6} + \frac{2}{6} = \frac{\quad}{6}$$

$$2) \quad \frac{7}{5} - \frac{4}{5} = \frac{\quad}{5}$$

$$3) \quad \frac{9}{10} - \frac{7}{10} = \frac{\quad}{10}$$

$$4) \quad \frac{7}{9} + \frac{6}{9} = \frac{\quad}{9}$$

$$5) \quad \frac{8}{7} + \frac{6}{7} = \frac{\quad}{\quad}$$

$$6) \quad \frac{11}{4} - \frac{6}{4} = \frac{\quad}{\quad}$$

$$7) \quad \frac{12}{15} + \frac{7}{15} = \frac{\quad}{\quad}$$

$$8) \quad \frac{15}{12} - \frac{4}{12} = \frac{\quad}{\quad}$$

$$9) \quad \frac{11}{6} - \frac{7}{6} = \frac{\quad}{\quad}$$

$$10) \quad \frac{12}{9} + \frac{13}{9} = \frac{\quad}{\quad}$$

$$11) \quad \frac{19}{20} - \frac{13}{20} = \frac{\quad}{\quad}$$

$$12) \quad \frac{9}{7} + \frac{8}{7} = \frac{\quad}{\quad}$$

If the top number (numerator) is higher than the bottom number (denominator) then you have an improper fraction. Can you change it into a whole number and a fraction below?

Hint:  $1/1$ ,  $2/2$ ,  $3/3$ ,  $4/4$ ,  $5/5$  etc = 1

$$1. \quad \frac{9}{6} = 1 \frac{3}{6}$$

7.

2.

8.

3.

9.

4.

10.

5.

11.

6.

12.

If you don't remember how to do these, start with HBS work for some practise before you do CH work!

## CH maths

Step 1. In order to add the fractions, they need to have the same bottom number (denominator). Choose the smallest denominator and multiply it to match the biggest denominator.

Step 2. Whatever you did to the bottom number (denominator), you need to do to the top number (numerator).

Step 3. Add the fractions

### Example:

$$\frac{7}{8} + \frac{5}{16} = \boxed{\phantom{000}}$$

Step 1.  $8 \times 2 = 16$

Step 2.  $7 \times 2 = 14$

$$7/8 = 14/16$$

$$14/16 + 5/16 = 19/16$$

$$\frac{11}{12} + \frac{1}{4} = \boxed{\phantom{000}}$$

$$\frac{9}{10} + \frac{4}{5} = \boxed{\phantom{000}}$$

$$\frac{2}{3} + \frac{5}{6} = \boxed{\phantom{000}}$$

$$\frac{1}{12} + \frac{1}{3} = \boxed{\phantom{000}}$$

$$\frac{3}{4} + \frac{3}{8} = \boxed{\phantom{000}}$$

$$\frac{5}{6} + \frac{7}{12} = \boxed{\phantom{000}}$$

$$\frac{7}{8} + \frac{1}{4} = \boxed{\phantom{000}}$$

$$\frac{2}{3} + \frac{5}{12} = \boxed{\phantom{000}}$$

$$\frac{5}{8} + \frac{1}{2} = \boxed{\phantom{000}}$$

$$\frac{3}{4} + \frac{1}{12} = \boxed{\phantom{000}}$$

## Challenge

Convert your improper fraction answers into a whole number and a fraction.