

Adding Fractions

Adding fractions is quite easy! Here's how:

How to Add Fractions

There are three steps to adding fractions correctly:

1. Make sure the denominator is the same on both fractions
2. Add the numerators, then put the answer on top of the denominator (don't add the denominators)
3. Simplify the fraction if possible

Example 1:

$$\frac{1}{6} + \frac{2}{6}$$

The denominator is already the same in this example, so we can move straight to the second step, which is adding the numerators.

$$\frac{1}{6} + \frac{2}{6} = \frac{3}{6}$$

The final step is to simplify our answer. Remember, to simplify a fraction, you need to divide both the numerator and the denominator by the same (highest possible) number.

In this question, we can divide both the numerator and the denominator by 3.

$$\frac{3}{6} = \frac{1}{2}$$

Example 2:

$$\frac{1}{4} + \frac{3}{8}$$

This time, the denominators are different, so we need to make them the same. We can do this by multiplying both the top and bottom of the first fraction by 2.

$$\frac{1}{4} \times 2 \quad \frac{2}{8} + \frac{3}{8}$$

Now that both our denominators are the same, we can move on to the second step, which is adding our numerators.

$$\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$$

We can't simplify this fraction, so $\frac{5}{8}$ is our final answer.

Now have a go at some of these yourself on the next page!



Complete the questions below. Remember that you can reread the instructions on the previous page if you get stuck!

Section 1:

a. $\frac{1}{6} + \frac{4}{6} = \text{---}$

b. $\frac{2}{12} + \frac{8}{12} = \text{---}$

c. $\frac{4}{24} + \frac{2}{24} = \text{---}$

d. $\frac{1}{7} + \frac{3}{7} = \text{---}$

e. $\frac{3}{9} + \frac{3}{9} = \text{---}$

f. $\frac{8}{18} + \frac{4}{18} = \text{---}$

Section 2:

g. $\frac{1}{6} + \frac{3}{12} = \text{---}$

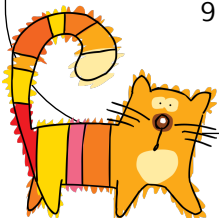
h. $\frac{3}{15} + \frac{1}{3} = \text{---}$

i. $\frac{3}{6} + \frac{2}{12} = \text{---}$

j. $\frac{1}{4} + \frac{3}{16} = \text{---}$

k. $\frac{4}{9} + \frac{2}{27} = \text{---}$

l. $\frac{2}{14} + \frac{3}{7} = \text{---}$



Answers

a. $\frac{5}{6}$

b. $\frac{5}{6}$

c. $\frac{1}{4}$

d. $\frac{4}{7}$

e. $\frac{2}{3}$

f. $\frac{2}{3}$

g. $\frac{5}{12}$

h. $\frac{8}{15}$

i. $\frac{2}{3}$

j. $\frac{7}{16}$

k. $\frac{14}{27}$

l. $\frac{4}{7}$