

Example: What is $2\frac{3}{4} + 3\frac{1}{2}$?

Convert to Improper Fractions:

$$2\frac{3}{4} = \frac{11}{4}$$

$$3\frac{1}{2} = \frac{7}{2}$$

Common denominator of 4:

$$\frac{11}{4} \text{ stays as } \frac{11}{4}$$

$$\frac{7}{2} \text{ becomes } \frac{14}{4}$$

(by multiplying top and bottom by 2)

Now Add:

$$\frac{11}{4} + \frac{14}{4} = \frac{25}{4}$$

Convert back to Mixed Fractions:

$$\frac{25}{4} = 6\frac{1}{4}$$

Watch my video and have a go at adding and subtracting mixed number fractions. The method is the same for both, see example for more information.

1. Complete the calculations.

a) $2\frac{3}{5} + 1\frac{3}{10} =$

c) $3\frac{5}{9} + 1\frac{1}{4} =$

b) $4\frac{7}{15} + 2\frac{1}{3} =$

d) $7\frac{5}{8} + 1\frac{2}{3} =$

2.

Complete the subtractions.

a) $3\frac{1}{4} - \frac{5}{24} =$

d) $7\frac{5}{6} - \frac{13}{24} =$

b) $3\frac{3}{16} - \frac{1}{8} =$

e) $4\frac{4}{9} - \frac{4}{27} =$

c) $2\frac{5}{6} - \frac{2}{3} =$

f) $6\frac{11}{12} - \frac{3}{4} =$

3.

A jug contains $1\frac{3}{5}$ litres of orange juice.

Eva pours 4 litres into a glass.

$\frac{\quad}{15}$

How much orange juice is left in the jug?

