

# Adding and Subtracting Fractions

PS Problem-solving questions

## Challenge 1

PS 1 Complete these calculations. An example has been done for you.

**Example:**  $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$

a)  $\frac{1}{4} + \frac{1}{4} =$

$\frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad}$

b)  $\frac{5}{6} + \frac{1}{6} =$

$\frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad}$



2 marks



3 marks



3 marks

2 Work out the answers to these calculations.

a)  $\frac{5}{7} + \frac{1}{7} = \frac{\quad}{\quad}$       b)  $\frac{4}{12} + \frac{4}{12} = \frac{\quad}{\quad}$       c)  $\frac{1}{5} + \frac{2}{5} = \frac{\quad}{\quad}$

3 Work out the answers to these calculations.

a)  $\frac{7}{15} - \frac{3}{15} = \frac{\quad}{\quad}$       b)  $\frac{5}{12} - \frac{4}{12} = \frac{\quad}{\quad}$       c)  $\frac{12}{10} - \frac{3}{10} = \frac{\quad}{\quad}$

Marks..... /8

## Challenge 2

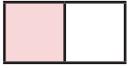
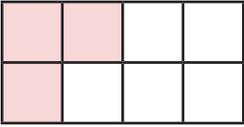
1 Complete these calculations. An example has been done for you.

**Example:**  $\frac{1}{3} + \frac{1}{6} = \frac{3}{6}$

a)  $\frac{1}{4} + \frac{1}{8} =$

$\frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad}$

# Adding and Subtracting Fractions

b)  +  =

+  =

**2** a)  $\frac{2}{5} + \frac{3}{10} =$      b)  $\frac{1}{4} + \frac{1}{2} =$      c)  $\frac{1}{4} + \frac{3}{8} =$

**3** a)  $\frac{7}{10} - \frac{2}{5} =$      b)  $\frac{10}{12} - \frac{1}{6} =$      c)  $\frac{3}{4} - \frac{1}{2} =$

  
2 marks

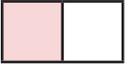
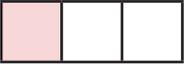
  
3 marks

  
3 marks

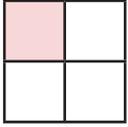
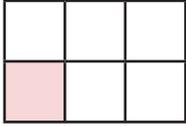
Marks..... /8

## Challenge 3

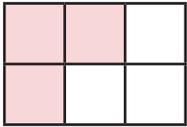
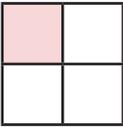
**1** Complete these calculations. An example has been done for you.

**Example:**  +  =  $\frac{5}{6}$

$\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$

a)  +  =

+  =

b)  -  =

-  =



**2** a)  $\frac{1}{6} + \frac{1}{4} =$      b)  $\frac{3}{4} + \frac{1}{3} =$      c)  $\frac{4}{7} + \frac{1}{3} =$

**3** a)  $\frac{7}{15} - \frac{1}{5} =$      b)  $\frac{9}{12} - \frac{1}{3} =$      c)  $\frac{7}{10} - \frac{1}{4} =$

  
2 marks

  
3 marks

  
3 marks

Marks..... /8

Total marks ..... /24

How am I doing?   