Subtracting fractions

Subtract fractions with the same denominator

Challenge 1

Subtract these fractions.

a $\frac{4}{6} - \frac{1}{6}$ b $\frac{6}{7} - \frac{2}{7}$ c $\frac{8}{8} - \frac{5}{8}$ d $\frac{4}{5} - \frac{3}{5}$ e $\frac{7}{9} - \frac{5}{9}$

f $\frac{8}{10} - \frac{6}{10}$ g $\frac{3}{4} - \frac{1}{4}$ h $\frac{6}{8} - \frac{3}{8}$ i $\frac{8}{10} - \frac{7}{10}$ j $\frac{9}{12} - \frac{5}{12}$

Challenge 2

Subtract these fractions.

a $\frac{8}{9} - \frac{3}{9}$ b $\frac{11}{13} - \frac{8}{13}$ c $\frac{9}{10} - \frac{5}{10}$ d $\frac{7}{7} - \frac{5}{7}$ e $\frac{10}{12} - \frac{3}{12}$

f $\frac{9}{6} - \frac{4}{6}$ g $\frac{7}{5} - \frac{3}{5}$ h $\frac{10}{8} - \frac{6}{8}$ i $\frac{16}{15} - \frac{4}{15}$ j $\frac{11}{9} - \frac{10}{9}$

Challenge 3

1 Subtract these fractions.

a $\frac{11}{6} - \frac{4}{6}$ b $\frac{9}{8} - \frac{5}{8}$

c $\frac{15}{13} - \frac{7}{13}$ d $\frac{12}{10} - \frac{8}{10}$

e $\frac{14}{14} - \frac{12}{14}$ f $\frac{18}{10} - \frac{8}{10}$

g $\frac{113}{100} - \frac{20}{100}$ h $\frac{22}{20} - \frac{18}{20}$

2 Write these improper fractions as mixed numbers.

a $\frac{14}{6}$ b $\frac{13}{5}$ c $\frac{15}{14}$

d $\frac{11}{4}$ e $\frac{26}{10}$ f $\frac{7}{3}$

g $\frac{19}{8}$ h $\frac{9}{4}$ i $\frac{16}{7}$

Example

$\frac{17}{8} = \frac{8}{8} + \frac{8}{8} + \frac{1}{8} = 2\frac{1}{8}$