Adding fractions

Sheet 1

Use equivalent fractions to help you to add these pairs of fractions.

1. $\frac{1}{2} + \frac{1}{4}$

2. $\frac{2}{5} + \frac{2}{5}$

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

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

5. $\frac{3}{5} + \frac{1}{10}$

6. $\frac{3}{4} + \frac{1}{12}$

7. $\frac{3}{4} + \frac{3}{4}$

8. $\frac{2}{3} + \frac{2}{3}$

Challenge

Add pairs of fractions where one denominator is double the other, e.g. $\frac{1}{2} + \frac{1}{4}$ or $\frac{1}{3} + \frac{1}{6}$ or $\frac{1}{4} + \frac{1}{8}$ or $\frac{1}{5} + \frac{1}{10}$ or $\frac{1}{6} + \frac{1}{12}$

Do you see a pattern? Can you explain it?