

TARGET To add and subtract fractions involving mixed numbers.

Examples
SAME DENOMINATORS
 $\frac{5}{8} + \frac{7}{8} = \frac{12}{8} = 1\frac{4}{8}$
 $1\frac{3}{10} - \frac{10}{10} = \frac{10}{10} - \frac{10}{10} = \frac{0}{10} = 0$

DIFFERENT DENOMINATORS
 $\frac{4}{3} + \frac{12}{7} = \frac{9}{7} + \frac{12}{7} = \frac{21}{7} = 3$
 $1\frac{9}{4} - \frac{3}{2} = \frac{9}{2} - \frac{3}{2} = \frac{6}{2} = 3$

17 Four twelfths of the people on a bus are boys. Five twelfths are girls. What fraction are adults?

18 Four fifths of the chocolates in a box are left. A further two fifths are eaten. What fraction of the chocolates is left?

- 1 $\frac{5}{12} + \frac{1}{12}$
- 2 $\frac{6}{2} + \frac{6}{3}$
- 3 $1\frac{5}{5} + \frac{3}{3}$
- 4 $\frac{8}{8} + \frac{12}{2}$
- 5 $1\frac{4}{4} + \frac{2}{2}$
- 6 $\frac{6}{1} + \frac{6}{2}$
- 7 $\frac{5}{2} + \frac{5}{2}$
- 8 $\frac{12}{4} + \frac{12}{4}$
- 9 $\frac{6}{5} - \frac{4}{4}$
- 10 $\frac{6}{7} - \frac{12}{12}$
- 11 $\frac{5}{4} - \frac{5}{3}$
- 12 $\frac{4}{3} - \frac{4}{2}$
- 13 $\frac{3}{3} - \frac{3}{1}$
- 14 $\frac{11}{12} - \frac{12}{12}$
- 15 $\frac{6}{4} - \frac{6}{2}$
- 16 $\frac{5}{5} - \frac{1}{1}$

Work out

25 Victor has one and a half packets of flour. He uses five eighths of a packet. What fraction of a complete packet is left?

- 1 $\frac{1}{2} + \frac{10}{3}$
- 2 $\frac{6}{2} + \frac{12}{3}$
- 3 $1\frac{4}{4} + \frac{12}{5}$
- 4 $\frac{5}{4} + \frac{5}{3}$
- 5 $\frac{3}{2} + \frac{3}{2}$
- 6 $\frac{10}{7} + \frac{10}{9}$
- 7 $\frac{5}{4} + \frac{10}{3}$
- 8 $\frac{3}{2} + \frac{9}{4}$
- 9 $\frac{2}{1} + \frac{11}{12}$
- 10 $\frac{2}{1} + \frac{4}{3}$
- 11 $\frac{4}{3} + \frac{8}{5}$
- 12 $\frac{6}{5} + \frac{12}{7}$
- 13 $\frac{8}{5} - \frac{1}{2}$
- 14 $\frac{10}{7} - \frac{5}{3}$
- 15 $\frac{3}{2} - \frac{6}{1}$
- 16 $\frac{12}{13} - \frac{4}{3}$
- 17 $\frac{3}{2} - \frac{10}{7}$
- 18 $\frac{6}{8} - \frac{12}{7}$
- 19 $1\frac{6}{6} - \frac{6}{4}$
- 20 $1\frac{10}{3} - \frac{10}{5}$
- 21 $1\frac{7}{2} - \frac{7}{6}$
- 22 $1\frac{4}{1} - \frac{8}{3}$
- 23 $1\frac{5}{2} - \frac{10}{7}$
- 24 $1\frac{1}{12} - \frac{3}{2}$

Work out

18 A quarter of a cake is eaten and the next day one third is eaten. What fraction of the cake is left?

- 1 $1\frac{3}{1} + \frac{2}{2}$
- 2 $\frac{5}{2} + \frac{4}{1}$
- 3 $1\frac{2}{1} + \frac{7}{3}$
- 4 $\frac{3}{2} + \frac{5}{4}$
- 5 $\frac{6}{5} + \frac{4}{3}$
- 6 $\frac{5}{3} + \frac{2}{1}$
- 7 $\frac{4}{3} + \frac{3}{2}$
- 8 $\frac{6}{5} + \frac{5}{2}$
- 9 $\frac{3}{2} - \frac{1}{1}$
- 10 $\frac{4}{3} - \frac{6}{1}$
- 11 $\frac{2}{1} - \frac{5}{2}$
- 12 $\frac{5}{7} - \frac{4}{3}$
- 13 $1\frac{2}{1} - \frac{3}{2}$
- 14 $1\frac{5}{3} - \frac{6}{5}$
- 15 $1\frac{1}{4} - \frac{3}{1}$
- 16 $1\frac{10}{3} - \frac{3}{2}$

Work out