

**TARGET** To practise the addition and subtraction of fractions involving mixed numbers.

**SAME DENOMINATORS**

$$\frac{9}{11} + \frac{5}{11} = \frac{14}{11} = 1\frac{3}{11}$$

$$1\frac{5}{8} - \frac{7}{8} = \frac{13}{8} - \frac{7}{8} = \frac{6}{8}$$

**DIFFERENT DENOMINATORS**

$$\frac{3}{5} + \frac{7}{10} = \frac{6}{10} + \frac{7}{10} = \frac{13}{10} = 1\frac{3}{10}$$

$$1\frac{1}{2} - \frac{5}{8} = \frac{3}{2} - \frac{5}{8} = \frac{12}{8} - \frac{5}{8} = \frac{7}{8}$$

## A

Work out

1  $\frac{3}{12} + \frac{5}{12}$

9  $\frac{5}{6} - \frac{2}{6}$

2  $\frac{1}{6} + \frac{4}{6}$

10  $\frac{9}{12} - \frac{4}{12}$

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

11  $\frac{3}{3} - \frac{2}{3}$

4  $\frac{1}{8} + \frac{5}{8}$

12  $\frac{6}{7} - \frac{3}{7}$

5  $\frac{11}{12} + \frac{7}{12}$

13  $\frac{5}{4} - \frac{2}{4}$

6  $\frac{5}{6} + \frac{2}{6}$

14  $\frac{7}{5} - \frac{4}{5}$

7  $\frac{3}{5} + \frac{4}{5}$

15  $\frac{14}{12} - \frac{7}{12}$

8  $\frac{6}{12} + \frac{9}{12}$

16  $\frac{9}{6} - \frac{5}{6}$

17 A can of paint is seven eighths full. A further three eighths is used. What fraction of the paint is left?

18 Three tenths of the children in Year 5 go to school by bus, four tenths walk. What fraction of the children go to school in other ways?

## B

Work out

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

9  $\frac{2}{3} - \frac{4}{9}$

2  $\frac{1}{3} + \frac{5}{12}$

10  $\frac{7}{10} - \frac{2}{5}$

3  $\frac{4}{5} + \frac{3}{10}$

11  $\frac{7}{4} - \frac{11}{12}$

4  $\frac{3}{4} + \frac{7}{12}$

12  $\frac{9}{6} - \frac{2}{3}$

5  $\frac{1}{2} + \frac{7}{8}$

13  $1\frac{3}{10} - \frac{1}{2}$

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

14  $1\frac{1}{4} - \frac{7}{8}$

7  $\frac{9}{10} + \frac{3}{5}$

15  $1\frac{2}{5} - \frac{6}{10}$

8  $\frac{11}{12} + \frac{1}{6}$

16  $1\frac{7}{12} - \frac{2}{3}$

17 A postman has delivered half his letters. He delivers a further two fifths. What fraction of his letters has he delivered?

18 Ashra has one and a third jugs of drink. She pours out five sixths of the full jug. What fraction of a full jug of drink does she have left?

## C

Work out

1  $1\frac{1}{2} + \frac{7}{12}$

9  $1\frac{7}{10} - \frac{1}{2}$

2  $1\frac{9}{10} + \frac{4}{5}$

10  $1\frac{1}{3} - \frac{5}{9}$

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

11  $2\frac{1}{4} - \frac{7}{8}$

4  $1\frac{5}{12} + \frac{3}{4}$

12  $4\frac{1}{12} - \frac{1}{6}$

5  $\frac{1}{2} + \frac{4}{5}$

13  $1\frac{3}{4} - \frac{4}{5}$

6  $\frac{2}{3} + \frac{3}{4}$

14  $2\frac{1}{3} - \frac{1}{2}$

7  $\frac{1}{5} + \frac{7}{8}$

15  $1\frac{7}{10} - \frac{3}{4}$

8  $\frac{3}{4} + \frac{5}{6}$

16  $1\frac{1}{5} - \frac{2}{3}$

17 Luigi makes two identical pizzas. Three fifths of one is eaten and three quarters of the other pizza is eaten. What fraction of a whole pizza is left?

18 One and a half packets of biscuits are put out on plates. When everyone has finished eating, two thirds of a packet are left. What fraction of a packet has been eaten?