

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?