

TARGET To add and subtract mixed numbers.

Examples $3\frac{2}{3} + 1\frac{4}{5} = 4\frac{10+12}{15} = 4\frac{22}{15} = 5\frac{7}{15}$

$$6\frac{3}{4} - 2\frac{7}{10} = 4\frac{15-14}{20} = 4\frac{1}{20}$$

If the numerators cannot be subtracted convert one whole one into a fraction.

$$5\frac{3}{8} - 3\frac{5}{6} = 2\frac{9-20}{24} = 1\frac{33-20}{24} = 1\frac{13}{24}$$

A

Copy and complete.

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

2 $\frac{2}{5} + \frac{3}{10} = \frac{\square}{10} + \frac{3}{10} = \frac{\square}{10}$

3 $\frac{3}{4} - \frac{5}{12} = \frac{\square}{12} - \frac{5}{12} = \frac{\square}{12}$

4 $\frac{1}{3} - \frac{1}{6} = \frac{\square}{6} - \frac{1}{6} = \frac{\square}{6}$

Work out

5 $\frac{1}{6} + \frac{5}{12}$

13 $\frac{9}{10} - \frac{2}{5}$

6 $\frac{2}{10} + \frac{1}{2}$

14 $\frac{1}{2} - \frac{1}{12}$

7 $\frac{1}{12} + \frac{2}{3}$

15 $\frac{7}{12} - \frac{1}{4}$

8 $\frac{23}{100} + \frac{4}{10}$

16 $\frac{5}{6} - \frac{1}{3}$

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

17 $\frac{11}{12} - \frac{5}{6}$

10 $\frac{1}{2} + \frac{1}{8}$

18 $\frac{3}{4} - \frac{1}{8}$

11 $\frac{1}{3} + \frac{4}{9}$

19 $\frac{8}{10} - \frac{1}{2}$

12 $\frac{5}{8} + \frac{1}{4}$

20 $\frac{7}{9} - \frac{2}{3}$

B

Copy and complete.

1 $4\frac{1}{3} + 2\frac{5}{12} = 6\frac{\square}{12} + \frac{5}{12} = 6\frac{\square}{12}$

2 $1\frac{1}{4} + 2\frac{3}{5} = 3\frac{\square}{20} + \frac{\square}{20} = 3\frac{\square}{20}$

3 $3\frac{1}{2} - 1\frac{3}{8} = 2\frac{\square}{8} - \frac{3}{8} = 2\frac{\square}{8}$

4 $2\frac{3}{5} - 1\frac{1}{3} = 1\frac{\square}{15} - \frac{\square}{15} = 1\frac{\square}{15}$

Work out

5 $5\frac{7}{10} + 1\frac{19}{100}$

13 $3\frac{3}{4} - 2\frac{1}{12}$

6 $2\frac{1}{12} + 1\frac{5}{6}$

14 $2\frac{2}{3} - 1\frac{1}{6}$

7 $1\frac{1}{2} + 4\frac{3}{10}$

15 $4\frac{1}{2} - 2\frac{5}{12}$

8 $3\frac{2}{3} + 2\frac{1}{9}$

16 $7\frac{57}{100} - 4\frac{2}{10}$

9 $4\frac{2}{5} + 1\frac{5}{6}$

17 $3\frac{2}{5} - 1\frac{1}{2}$

10 $1\frac{3}{4} + 3\frac{2}{3}$

18 $5\frac{5}{9} - 2\frac{1}{4}$

11 $2\frac{5}{8} + 4\frac{9}{10}$

19 $6\frac{2}{3} - 1\frac{9}{10}$

12 $5\frac{4}{7} + 2\frac{1}{2}$

20 $8\frac{7}{8} - 3\frac{3}{5}$

C

Work out

1 $3\frac{5}{7} + 3\frac{1}{2}$

2 $5\frac{3}{10} + 4\frac{5}{6}$

3 $2\frac{4}{5} + 3\frac{5}{8}$

4 $6\frac{5}{9} + 2\frac{3}{4}$

5 $4\frac{2}{3} + 7\frac{6}{11}$

6 $9\frac{3}{4} + 5\frac{2}{7}$

7 $1\frac{7}{8} + 6\frac{1}{6}$

8 $7\frac{11}{12} + 2\frac{2}{5}$

9 $4\frac{1}{6} + 1\frac{3}{4}$

10 $5\frac{3}{10} - 3\frac{7}{12}$

11 $2\frac{3}{5} - 1\frac{2}{3}$

12 $8\frac{2}{7} - 4\frac{4}{5}$

13 $9\frac{1}{2} - 2\frac{8}{9}$

14 $6\frac{1}{4} - 3\frac{9}{10}$

15 $3\frac{2}{3} - 1\frac{6}{7}$

16 $7\frac{5}{12} - 2\frac{5}{8}$