

TARGET To add and subtract fractions with the same denominator and multiples of the same number.

SAME DENOMINATOR

Add or subtract the numerators.

Put the answer over the same denominator.

Examples

$$\frac{5}{12} + \frac{2}{12} = \frac{7}{12}$$

$$\frac{7}{9} - \frac{4}{9} = \frac{3}{9}$$

DIFFERENT DENOMINATORS

Convert one of the fractions to an equivalent fraction with the same denominator as the other fraction.

Examples

$$\frac{5}{8} + \frac{1}{4} = \frac{5}{8} + \frac{2}{8} = \frac{7}{8}$$

$$\frac{11}{12} - \frac{1}{3} = \frac{11}{12} - \frac{4}{12} = \frac{7}{12}$$

A

Work out

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

13 $\frac{7}{10} - \frac{3}{10}$

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

14 $\frac{4}{6} - \frac{2}{6}$

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

15 $\frac{6}{8} - \frac{1}{8}$

4 $\frac{4}{7} + \frac{2}{7}$

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

5 $\frac{2}{12} + \frac{9}{12}$

17 $\frac{3}{4} - \frac{1}{4}$

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

18 $\frac{8}{9} - \frac{5}{9}$

7 $\frac{4}{10} + \frac{4}{10}$

19 $\frac{10}{12} - \frac{3}{12}$

8 $\frac{1}{5} + \frac{3}{5}$

20 $\frac{2}{3} - \frac{1}{3}$

9 $\frac{5}{9} + \frac{2}{9}$

21 $\frac{5}{7} - \frac{3}{7}$

10 $\frac{3}{11} + \frac{6}{11}$

22 $\frac{9}{10} - \frac{4}{10}$

11 $\frac{1}{8} + \frac{5}{8}$

23 $\frac{8}{12} - \frac{6}{12}$

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

24 $\frac{5}{6} - \frac{4}{6}$

B

Copy and complete.

1 $\frac{2}{3} + \frac{1}{9} = \frac{\square}{9} + \frac{1}{9} = \frac{\square}{9}$

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

3 $\frac{3}{8} + \frac{1}{4} = \frac{3}{8} + \frac{\square}{\square} = \frac{\square}{\square}$

4 $\frac{7}{12} + \frac{1}{6} = \frac{7}{12} + \frac{\square}{\square} = \frac{\square}{\square}$

5 $\frac{2}{5} - \frac{1}{10} = \frac{\square}{10} - \frac{1}{10} = \frac{\square}{10}$

6 $\frac{5}{8} - \frac{1}{2} = \frac{5}{8} - \frac{\square}{8} = \frac{\square}{8}$

7 $\frac{4}{6} - \frac{3}{12} = \frac{\square}{\square} - \frac{3}{12} = \frac{\square}{\square}$

8 $\frac{11}{12} - \frac{2}{3} = \frac{11}{12} - \frac{\square}{\square} = \frac{\square}{\square}$

Work out

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

13 $\frac{3}{4} - \frac{5}{8}$

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

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

11 $\frac{1}{6} + \frac{1}{3}$

15 $\frac{1}{3} - \frac{2}{9}$

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

16 $\frac{8}{10} - \frac{3}{5}$

C

Copy and complete.

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

2 $\frac{3}{5} + \frac{1}{6} = \frac{\square}{30} + \frac{\square}{30} = \frac{\square}{30}$

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

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

5 $\frac{3}{4} - \frac{1}{3} = \frac{\square}{12} - \frac{\square}{12} = \frac{\square}{12}$

6 $\frac{1}{2} - \frac{2}{5} = \frac{\square}{10} - \frac{\square}{10} = \frac{\square}{10}$

7 $\frac{2}{3} - \frac{3}{10} = \frac{\square}{30} - \frac{\square}{30} = \frac{\square}{30}$

8 $\frac{4}{5} - \frac{5}{8} = \frac{\square}{40} - \frac{\square}{40} = \frac{\square}{40}$

Work out

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

13 $\frac{5}{6} - \frac{3}{5}$

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

14 $\frac{7}{10} - \frac{1}{4}$

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

15 $\frac{2}{3} - \frac{5}{8}$

12 $\frac{2}{3} + \frac{1}{4}$

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