

Adding or Subtracting Signed Fractions with the Same Denominator

Evaluate each expression.

1) $\left(-\frac{9}{5}\right) - \left(-\frac{3}{5}\right)$

2) $\frac{5}{4} + \left(-\frac{1}{4}\right)$

3) $\left(-\frac{7}{4}\right) + \frac{1}{4}$

4) $\left(-\frac{8}{5}\right) + \left(-\frac{4}{5}\right)$

5) $\frac{3}{2} + \left(-\frac{3}{2}\right)$

6) $\left(-\frac{5}{6}\right) + \frac{1}{6}$

7) $\left(-\frac{1}{3}\right) - \frac{4}{3}$

8) $\left(-\frac{1}{6}\right) + \frac{7}{6}$

9) $\left(-\frac{4}{3}\right) - \frac{4}{3}$

10) $\frac{15}{8} - \left(-\frac{13}{8}\right)$

11) $\left(-\frac{1}{4}\right) - \left(-\frac{1}{4}\right) + \frac{3}{4}$

12) $\frac{4}{5} - \left(-\frac{8}{5}\right) + \left(-\frac{3}{5}\right)$

13) $\left(-\frac{1}{2}\right) + \frac{3}{2} + \frac{1}{2}$

14) $\left(-\frac{1}{8}\right) + \frac{5}{8} - \left(-\frac{1}{8}\right)$

15) $\left(-\frac{2}{3}\right) + \left(-\frac{1}{3}\right) - \frac{4}{3}$

16) $\frac{1}{4} + \left(-\frac{5}{4}\right) - \frac{7}{4}$

17) $\left(-\frac{4}{7}\right) - \left(-\frac{1}{7}\right) + \left(-\frac{1}{7}\right)$

18) $\left(-\frac{1}{3}\right) - \frac{4}{3} - \frac{5}{3}$

19) $\frac{3}{5} + \left(-\frac{1}{5}\right) - \left(-\frac{6}{5}\right)$

20) $\left(-\frac{1}{2}\right) - \frac{3}{2} - \frac{3}{2}$

Answers to Adding or Subtracting Signed Fractions with the Same Denominator

1) $-\frac{6}{5}$

5) 0

9) $-\frac{8}{3}$

13) $\frac{3}{2}$

17) $-\frac{4}{7}$

2) 1

6) $-\frac{2}{3}$

10) $\frac{7}{2}$

14) $\frac{5}{8}$

18) $-\frac{10}{3}$

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

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

11) $\frac{3}{4}$

15) $-\frac{7}{3}$

19) $\frac{8}{5}$

4) $-\frac{12}{5}$

8) 1

12) $\frac{9}{5}$

16) $-\frac{11}{4}$

20) $-\frac{7}{2}$