

Adding Signed Mixed Numbers

Evaluate each expression.

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

2) $4\frac{5}{7} - \frac{1}{4}$

3) $\left(-1\frac{7}{8}\right) + 1\frac{3}{7}$

4) $4 - 4\frac{1}{2}$

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

6) $\left(-2\frac{1}{6}\right) - 2\frac{2}{7}$

7) $2\frac{3}{8} - \left(-1\frac{3}{4}\right)$

8) $\left(-1\frac{5}{6}\right) + \left(-2\frac{1}{3}\right)$

9) $\left(-2\frac{3}{4}\right) + \frac{1}{6} + 1\frac{1}{7}$

10) $2\frac{1}{3} + 1\frac{5}{7} - \left(-2\frac{5}{7}\right)$

11) $3\frac{5}{7} + \left(-2\frac{1}{8}\right) - \left(-2\frac{2}{3}\right)$

12) $\frac{1}{3} + \left(-3\frac{1}{3}\right) + \left(-4\frac{5}{6}\right)$

$$13) \left(-3\frac{6}{7}\right) + 2\frac{1}{2} - 8$$

$$14) 1\frac{3}{4} - 2\frac{1}{2} - \left(-3\frac{3}{4}\right)$$

$$15) \left(-2\frac{5}{6}\right) - 1\frac{3}{5} + \left(-1\frac{1}{2}\right)$$

$$16) 1\frac{1}{8} + \left(-1\frac{2}{5}\right) - \left(-1\frac{2}{3}\right)$$

$$17) 6\frac{2}{3} - \frac{3}{8} - 3\frac{1}{3} - \left(-1\frac{3}{4}\right)$$

$$18) 1\frac{1}{2} - 1\frac{3}{4} - \left(-1\frac{3}{5}\right) + 3\frac{1}{3}$$

$$19) 4\frac{4}{7} + 3\frac{2}{3} + \frac{5}{8} - \left(-1\frac{4}{5}\right)$$

$$20) 4\frac{3}{5} + 4\frac{1}{4} - \left(-2\frac{1}{7}\right) + \left(-1\frac{2}{3}\right)$$

$$21) \left(-3\frac{4}{5}\right) - \left(-1\frac{2}{5}\right) - 2\frac{4}{5} + \left(-1\frac{2}{3}\right)$$

$$22) (-7) - \left(-1\frac{5}{6}\right) + \left(-1\frac{2}{7}\right) + \left(-1\frac{1}{3}\right)$$

$$23) \left(-1\frac{5}{8}\right) + 2\frac{5}{6} + (-4) + 1\frac{4}{5}$$

$$24) \left(-2\frac{1}{8}\right) - 3\frac{1}{4} - 3 - 4\frac{1}{8}$$

Answers to Adding Signed Mixed Numbers

1) $1\frac{1}{4}$

2) $4\frac{13}{28}$

3) $-\frac{25}{56}$

4) $-\frac{1}{2}$

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

6) $-4\frac{19}{42}$

7) $4\frac{1}{8}$

8) $-4\frac{1}{6}$

9) $-1\frac{37}{84}$

10) $6\frac{16}{21}$

11) $4\frac{43}{168}$

12) $-7\frac{5}{6}$

13) $-9\frac{5}{14}$

14) 3

15) $-5\frac{14}{15}$

16) $1\frac{47}{120}$

17) $4\frac{17}{24}$

18) $4\frac{41}{60}$

19) $10\frac{557}{840}$

20) $9\frac{137}{420}$

21) $-6\frac{13}{15}$

22) $-7\frac{11}{14}$

23) $-\frac{119}{120}$

24) $-12\frac{1}{2}$