

Subtracting Signed Mixed Numbers

Find each difference.

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

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

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

4) $1\frac{3}{4} - \frac{2}{5}$

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

6) $1\frac{5}{7} - 3\frac{1}{3}$

7) $3\frac{5}{8} - \frac{1}{4}$

8) $2\frac{1}{3} - \frac{1}{2}$

9) $1\frac{4}{7} - 4\frac{5}{6} - 2\frac{1}{2}$

10) $3\frac{3}{5} - 2\frac{1}{6} - 8$

11) $\left(-3\frac{4}{7}\right) - 3\frac{7}{8} - \left(-1\frac{1}{6}\right)$

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

$$13) \left(-2\frac{1}{3}\right) - 2\frac{6}{7} - \left(-2\frac{5}{6}\right)$$

$$14) \left(-1\frac{4}{7}\right) - 3 - 4\frac{3}{4}$$

$$15) \frac{1}{2} - 4\frac{1}{4} - \left(-2\frac{2}{7}\right)$$

$$16) 7 - \left(-1\frac{1}{3}\right) - \frac{1}{2}$$

$$17) \left(-1\frac{7}{8}\right) - 2\frac{3}{5} - \frac{1}{5} - \left(-2\frac{4}{5}\right)$$

$$18) 2\frac{1}{4} - \frac{3}{8} - \left(-3\frac{1}{6}\right) - (-8)$$

$$19) 1\frac{5}{6} - \left(-2\frac{2}{3}\right) - 2\frac{3}{4} - \left(-1\frac{1}{2}\right)$$

$$20) \left(-3\frac{1}{6}\right) - 2\frac{3}{7} - (-5) - 2\frac{1}{5}$$

$$21) \frac{7}{8} - \frac{3}{4} - \left(-1\frac{4}{7}\right) - 1\frac{2}{7}$$

$$22) 1\frac{1}{4} - 1\frac{4}{5} - 4\frac{1}{4} - \frac{1}{7}$$

$$23) \left(-2\frac{1}{2}\right) - \left(-3\frac{1}{7}\right) - 4\frac{1}{2} - \frac{3}{5}$$

$$24) 4\frac{1}{3} - \frac{4}{5} - \left(-1\frac{3}{4}\right) - \frac{5}{8}$$

Answers to Subtracting Signed Mixed Numbers

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

2) -3

3) $-\frac{13}{28}$

4) $1\frac{7}{20}$

5) $2\frac{7}{30}$

6) $-1\frac{13}{21}$

7) $3\frac{3}{8}$

8) $1\frac{5}{6}$

9) $-5\frac{16}{21}$

10) $-6\frac{17}{30}$

11) $-6\frac{47}{168}$

12) $\frac{3}{8}$

13) $-2\frac{5}{14}$

14) $-9\frac{9}{28}$

15) $-1\frac{13}{28}$

16) $7\frac{5}{6}$

17) $-1\frac{7}{8}$

18) $13\frac{1}{24}$

19) $3\frac{1}{4}$

20) $-2\frac{167}{210}$

21) $\frac{23}{56}$

22) $-4\frac{33}{35}$

23) $-4\frac{16}{35}$

24) $4\frac{79}{120}$