

# Practice 2-4

## Adding and Subtracting Rational Numbers

Find each sum or difference. Write each answer as a mixed number or fraction in simplest form.

1.  $\frac{3}{4} + \frac{7}{8}$  \_\_\_\_\_      2.  $-1\frac{1}{6} + 2\frac{2}{3}$  \_\_\_\_\_      3.  $-3\frac{5}{6} - (-4\frac{1}{12})$  \_\_\_\_\_

4.  $\frac{5}{18} + \frac{7}{12}$  \_\_\_\_\_      5.  $5\frac{8}{21} - (-3\frac{1}{7})$  \_\_\_\_\_      6.  $1\frac{19}{24} + 2\frac{23}{20}$  \_\_\_\_\_

7.  $5\frac{1}{14} + 2\frac{3}{7} + 1\frac{4}{21}$  \_\_\_\_\_      8.  $\frac{11}{12} - \frac{5}{16} + \frac{11}{18}$  \_\_\_\_\_      9.  $\frac{5}{6} + \frac{7}{8} - \frac{11}{12}$  \_\_\_\_\_

10.  $-19\frac{5}{6} + 10\frac{9}{10}$  \_\_\_\_\_      11.  $4\frac{7}{18} - 3\frac{7}{12}$  \_\_\_\_\_      12.  $-1\frac{4}{5} - (-4\frac{1}{12})$  \_\_\_\_\_

13.  $14.6 + (-3\frac{1}{5})$  \_\_\_\_\_      14.  $-7\frac{3}{4} - 4.125$  \_\_\_\_\_      15.  $5.75 + (-2\frac{1}{8})$  \_\_\_\_\_

16.  $1\frac{3}{4} - 2.75 - 4\frac{5}{8}$  \_\_\_\_\_      17.  $3\frac{1}{2} - 6\frac{7}{10} + 4\frac{1}{5}$  \_\_\_\_\_      18.  $\frac{3}{16} + \frac{1}{8} - \frac{1}{4}$  \_\_\_\_\_

Solve each equation. Write each answer as a mixed number or as a fraction in simplest form.

19.  $x + \frac{3}{8} = -\frac{1}{4}$  \_\_\_\_\_      20.  $y - \frac{1}{5} = -\frac{4}{5}$  \_\_\_\_\_      21.  $z + (-\frac{2}{3}) = -\frac{1}{6}$  \_\_\_\_\_

22.  $m - \frac{9}{10} = \frac{1}{5}$  \_\_\_\_\_      23.  $n - 1\frac{1}{3} = -3$  \_\_\_\_\_      24.  $p + \frac{7}{12} = -\frac{1}{4}$  \_\_\_\_\_

25.  $c - 7.2 = -3.7$  \_\_\_\_\_      26.  $d - 0.16 = 2.3$  \_\_\_\_\_      27.  $\frac{1}{8} + a = -2\frac{1}{4}$  \_\_\_\_\_

28. Stanley is helping in the library by mending torn pages. He has cut strips of tape with lengths of  $5\frac{1}{2}$  in.,  $6\frac{7}{8}$  in.,  $3\frac{3}{4}$  in., and  $4\frac{3}{16}$  in. What is the total length of tape he has used?

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