

Name

key

Date

Period

Adding/Subtracting Decimals

Find each sum.

1) $5.4 + (-9.7)$

$= 5.4 - 9.7$

$= -4.3$

$$\begin{array}{r} 9.7 \\ -5.4 \\ \hline 4.3 \end{array}$$

3) $(-0.5) + 0.3$

$= -0.5 + 0.3$

$= -0.2$

$$\begin{array}{r} 0.5 \\ -0.3 \\ \hline 0.2 \end{array}$$

5) $3.305 + 1.7$

$= 5.005$

$$\begin{array}{r} 3.305 \\ +1.7 \\ \hline 5.005 \end{array}$$

7) $(-4.3) + 14.5$

$= 10.2$

$$\begin{array}{r} 14.5 \\ -4.3 \\ \hline 10.2 \end{array}$$

9) $13.7 + 3.2$

$= 16.9$

2) $10.8 + (-4.73)$

$= 10.8 - 4.73$

$= 6.07$

$$\begin{array}{r} 10.8 \\ -4.73 \\ \hline 6.07 \end{array}$$

4) $(-4.79) + (-0.4)$

$= -4.79 - 0.4$

$= -5.19$

$$\begin{array}{r} 4.79 \\ +0.4 \\ \hline 5.19 \end{array}$$

6) $(-3.6) + 0.43$

$= -0.7$

$$\begin{array}{r} 4.3 \\ -3.6 \\ \hline 0.7 \end{array}$$

8) $(-7.1) + 3.63$

$= -3.47$

$$\begin{array}{r} 7.1 \\ -3.63 \\ \hline 3.47 \end{array}$$

10) $(-10.9) + 6.1$

$= -4.8$

$$\begin{array}{r} 10.9 \\ -6.1 \\ \hline 4.8 \end{array}$$

Find each difference.

11) $2.2 - 7.3$

$= -5.1$

$$\begin{array}{r} 7.3 \\ -2.2 \\ \hline 5.1 \end{array}$$

12) $(-8.1) - (-8.9)$

$= -8.1 + 8.9$

$= 0.8$

$$\begin{array}{r} 8.9 \\ -8.1 \\ \hline 0.8 \end{array}$$

13) $2.9 - 9.4$

$= -6.5$

$$\begin{array}{r} 9.4 \\ -2.9 \\ \hline 6.5 \end{array}$$

14) $(-3.9) - 8.9$

$= -3.9 - 8.9$

$= -12.8$

$$\begin{array}{r} 3.9 \\ +8.9 \\ \hline 12.8 \end{array}$$

$15) 9.8 - 7.1$

$= 2.7$

$17) 17.9 - (-19.4)$

$= 17.9 + 19.4$

$= 37.3$

$19) 1.58 - (-13.6)$

$= 1.58 + 13.6$

$= 15.18$

Evaluate each expression.

$21) 19.4 + 24.2$

$= 43.6$

$23) (-9.1) + 3.5$

$= -5.6$

$25) 9.5 - (-19.3)$

$= 9.5 + 19.3$

$= 28.8$

$27) 8.7 + 3.8 + 12.3$

$= 12.5 + 12.3$

$= 24.8$

$29) 3.4 - 5 - 10.4$

$= -1.6 - 10.4$

$= -12$

$16) (-18.278) - (-6.8)$

$= -18.278 + 6.8$

$= -11.478$

$18) 15.5 - 15.5$

$= 0$

$20) 1.81 - 17.17$

$= -15.36$

$22) (-14.8) - (-9.7)$

$= -14.8 + 9.7$

$= -5.1$

$24) 0.96 - 8.5$

$= -7.54$

$26) 3.4 - (-12.1)$

$= 3.4 + 12.1$

$= 15.5$

$28) (-13.6) + 12 - (-15.5)$

$= -13.6 + 12 + 15.5$

$= -1.6 + 15.5 = 13.9$

$30) (-5.6) - (-12.6) + (-6.6)$

$= -5.6 + 12.6 - 6.6$

$= 7 - 6.6$

$= 0.4$

$$\begin{array}{r} 18.278 \\ - 6.8 \\ \hline 11.478 \end{array}$$

$$\begin{array}{r} 17.9 \\ + 19.4 \\ \hline 37.3 \end{array}$$

$$\begin{array}{r} 17.17 \\ - 1.81 \\ \hline 15.36 \end{array}$$

$$\begin{array}{r} 9.1 \\ - 3.5 \\ \hline 5.6 \end{array}$$

$$\begin{array}{r} 7.5 \\ - 8.5 \\ \hline -0.96 \\ \hline 7.54 \end{array}$$

$$\begin{array}{r} 13.6 \\ - 12 \\ \hline 1.6 \\ 15.5 \\ - 1.6 \\ \hline 13.9 \end{array}$$

$$\begin{array}{r} 5 \\ - 3.4 \\ \hline 1.6 \\ 10.4 \\ + 1.6 \\ \hline 12.0 \end{array}$$

$$\begin{array}{r} 12.6 \\ - 5.6 \\ \hline 7.0 \end{array}$$

Add/Subtracting Fractions and Mixed Numbers

Evaluate each expression.

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

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

3) $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$

4) $\frac{1}{3} - \frac{1}{3} = 0$

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

6) $\frac{1}{2} - \frac{1}{2} = 0$

7) $\frac{1}{5} + \frac{1}{5} = \frac{2}{5}$

8) $\frac{7}{6} - \frac{5}{6} = \frac{2}{6} = \frac{1}{3}$

9) $\left(-\frac{4}{5}\right) - \frac{7}{8}$
 $= -\frac{32}{40} - \frac{35}{40} = \frac{-67}{40} = -1\frac{27}{40}$

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

11) $\left(-\frac{1}{3}\right) + \frac{3}{8}$
 $= -\frac{8}{24} + \frac{9}{24} = \frac{1}{24}$

12) $\left(-\frac{10}{7}\right) + \frac{1}{6}$
 $= -\frac{60}{42} + \frac{7}{42} = \frac{-53}{42} = -1\frac{11}{42}$

13) $\frac{9}{5} + \left(-\frac{4}{3}\right)$
 $= \frac{27}{15} - \frac{20}{15} = \frac{7}{15}$

14) $2 - \frac{13}{8}$
 $= \frac{16}{8} - \frac{13}{8} = \frac{3}{8}$

$$15) \frac{9}{5} - \frac{5}{8} =$$

$$= \frac{72}{40} - \frac{25}{40} = \frac{47}{40} = 1\frac{7}{40}$$

$$16) \left(-\frac{4}{3}\right) - \left(-\frac{3}{2}\right)$$

$$= -\frac{8}{6} + \frac{9}{6} = \frac{1}{6}$$

$$17) (-1) + \left(-2\frac{2}{5}\right)$$

$$= -3\frac{2}{5}$$

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

$$= -7\frac{5}{5} = -8$$

$$19) 3\frac{6}{7} + \left(-1\frac{1}{7}\right)$$

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

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

$$= -2\frac{2}{7}$$

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

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

$$22) \left(-1\frac{3}{4}\right) + \left(-3\frac{3}{4}\right)$$

$$= -4\frac{6}{4} = -4\frac{3}{2} = -5\frac{1}{2}$$

$$23) \left(-1\frac{7}{8}\right) + \left(-3\frac{1}{2}\right)$$

$$= -1\frac{7}{8} - 3\frac{4}{8} = -4\frac{11}{8} = -5\frac{3}{8}$$

$$24) \left(-2\frac{7}{8}\right) + \left(-1\frac{1}{2}\right)$$

$$= -2\frac{7}{8} - 1\frac{4}{8} = -3\frac{11}{8} = -4\frac{3}{8}$$

$$25) \left(-2\frac{5}{6}\right) - \left(-1\frac{1}{4}\right)$$

$$= -2\frac{10}{12} + 1\frac{3}{12} = -\frac{34}{12} + \frac{15}{12} = -\frac{19}{12} = -1\frac{7}{12}$$

$$26) \left(-3\frac{5}{8}\right) - 4\frac{2}{5}$$

$$= -3\frac{25}{40} - 4\frac{16}{40} = -7\frac{41}{40} = -8\frac{1}{40}$$

$$27) 1\frac{2}{5} - \left(-3\frac{3}{4}\right)$$

$$= 1\frac{8}{20} + 3\frac{15}{20} = 4\frac{23}{20} = 5\frac{3}{20}$$

$$28) 2\frac{4}{5} - \frac{5}{8}$$

$$= 2\frac{32}{40} - \frac{25}{40}$$

$$= 2\frac{7}{40}$$