

Adding & Subtracting Decimals

(Warm-Up) Find each sum.

$$1) 4.3 + 2.6 = \boxed{6.9}$$

$$\begin{array}{r} 4.3 \\ + 2.6 \\ \hline 6.9 \end{array}$$

$$2) 3.6 + 0.7 = \boxed{4.3}$$

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

$$3) 3.11 + 6.8 = \boxed{9.91}$$

$$\begin{array}{r} 3.11 \\ + 6.80 \\ \hline 9.91 \end{array}$$

$$4) 2.799 + 4.39 = \boxed{7.189}$$

$$\begin{array}{r} 2.799 \\ + 4.390 \\ \hline 7.189 \end{array}$$

(Warm-Up) Find each difference.

$$5) 5.7 - 1.5 = \boxed{4.2}$$

$$\begin{array}{r} 5.7 \\ - 1.5 \\ \hline 4.2 \end{array}$$

$$6) 6.5 - 3.8 = \boxed{2.7}$$

$$\begin{array}{r} 6.5 \\ - 3.8 \\ \hline 2.7 \end{array}$$

$$7) 5.994 - 2.91 = \boxed{3.084}$$

$$\begin{array}{r} 5.994 \\ - 2.910 \\ \hline 3.084 \end{array}$$

$$8) 5.9 - 1.574 = \boxed{4.326}$$

$$\begin{array}{r} 5.900 \\ - 1.574 \\ \hline 4.326 \end{array}$$

Developing: Find each sum.

$$9) (-5.6) + (-1.4) = \boxed{-7.0}$$

$$\begin{array}{r} 5.6 \\ + 1.4 \\ \hline 7.0 \end{array}$$

$$10) 6.1 + (-4.7) = \boxed{1.4}$$

$$\begin{array}{r} 6.1 \\ - 4.7 \\ \hline 1.4 \end{array}$$

$$11) 6.8 + (-5.7) = \boxed{1.1}$$

$$\begin{array}{r} 6.8 \\ -5.7 \\ \hline 1.1 \end{array}$$

$$12) (-6.1) + 1.4 = \boxed{-4.7}$$

$$\begin{array}{r} \overset{5}{\cancel{6}}.1 \\ -1.4 \\ \hline 4.7 \end{array}$$

$$13) (-3.3) + (-6.62) = \boxed{-9.92}$$

$$\begin{array}{r} 3.30 \\ +6.62 \\ \hline 9.92 \end{array}$$

$$14) (-6.87) + 4.6 = \boxed{-2.27}$$

$$\begin{array}{r} 6.87 \\ -4.60 \\ \hline 2.27 \end{array}$$

Find each difference.

$$15) (-4.7) - 2.6 = \boxed{-7.3}$$

$$\begin{array}{r} 4.7 \\ +2.6 \\ \hline 7.3 \end{array}$$

$$16) 3 - 4.1 = \boxed{-1.1}$$

$$\begin{array}{r} 4.1 \\ -3.0 \\ \hline 1.1 \end{array}$$

$$17) 7.9 + (+0.2) = \boxed{8.1}$$

$$\begin{array}{r} 7.9 \\ +0.2 \\ \hline 8.1 \end{array}$$

$$18) (-2.71) + (+6.2) = \boxed{3.49}$$

$$\begin{array}{r} \overset{5}{\cancel{6}}.20 \\ -2.71 \\ \hline 3.49 \end{array}$$

$$19) (-4) + (+7.3) = \boxed{3.3}$$

$$\begin{array}{r} 7.3 \\ -4.0 \\ \hline 3.3 \end{array}$$

$$20) (-0.7) + (+4) = \boxed{3.3}$$

$$\begin{array}{r} 4.0 \\ -0.7 \\ \hline 3.3 \end{array}$$

Proficient: Evaluate each expression.

$$21) 7.6 + (+2.1) = \boxed{9.7}$$

$$\begin{array}{r} 7.6 \\ + 2.1 \\ \hline 9.7 \end{array}$$

$$22) (-9.8) - 9.1 = \boxed{-18.9}$$

$$\begin{array}{r} 9.8 \\ + 9.1 \\ \hline 18.9 \end{array}$$

$$23) (-1.4) + (+10.5) = \boxed{9.1}$$

$$\begin{array}{r} 10.5 \\ - 1.4 \\ \hline 9.1 \end{array}$$

$$24) 5.6 + (-5.7) = \boxed{-0.1}$$

$$\begin{array}{r} 5.7 \\ - 5.6 \\ \hline 0.1 \end{array}$$

$$25) (-8.5) - 0.7 = \boxed{-9.2}$$

$$\begin{array}{r} 8.5 \\ + 0.7 \\ \hline 9.2 \end{array}$$

$$26) 4.4 + (+7.1) = \boxed{11.5}$$

$$\begin{array}{r} 4.4 \\ + 7.1 \\ \hline 11.5 \end{array}$$

$$27) 7.7 + (-5.9) = \boxed{1.8}$$

$$\begin{array}{r} 7.7 \\ - 5.9 \\ \hline 1.8 \end{array}$$

$$28) (-2.54) - 0.4 = \boxed{-2.94}$$

$$\begin{array}{r} 2.54 \\ + 0.40 \\ \hline 2.94 \end{array}$$

$$29) (-8.993) + (+2.6) = \boxed{-6.393}$$

$$\begin{array}{r} 8.993 \\ - 2.600 \\ \hline 6.393 \end{array}$$

$$30) (-4.5) - 2.806 = \boxed{-7.306}$$

$$\begin{array}{r} 4.500 \\ + 2.806 \\ \hline 7.306 \end{array}$$

$$31) 1.51 + (-8.77) = \boxed{-7.26}$$

$$\begin{array}{r} 8.77 \\ - 1.51 \\ \hline 7.26 \end{array}$$

$$32) (-0.8) + (-10.384) = \boxed{-11.184}$$

$$\begin{array}{r} 0.800 \\ + 10.384 \\ \hline 11.184 \end{array}$$

Extending: Evaluate each expression.

$$33) (-10.363) + (-8.5) + (+5.7) = \boxed{-13.163}$$

$$\begin{array}{r} 10.363 \\ + 8.500 \\ \hline -18.863 \end{array} \quad \begin{array}{r} 18.863 \\ - 5.700 \\ \hline 13.163 \end{array}$$

$$34) 8.3 + (-9.1) + (-9.7) = \boxed{-10.5}$$

$$\begin{array}{r} 8.3 \\ - 9.1 \\ \hline -0.8 \end{array} \quad \begin{array}{r} 0.8 \\ + 9.7 \\ \hline 10.5 \end{array}$$

$$35) 9.7 + (+6.7) + 9 = \boxed{25.4}$$

$$\begin{array}{r} 9.7 \\ + 6.7 \\ \hline 16.4 \end{array} \quad \begin{array}{r} 16.4 \\ + 9.0 \\ \hline 25.4 \end{array}$$

$$36) (-4.1) - 11.1 - 11.3 = \boxed{-26.5}$$

$$\begin{array}{r} 4.1 \\ + 11.1 \\ \hline -15.2 \end{array} \quad \begin{array}{r} 15.2 \\ + 11.3 \\ \hline 26.5 \end{array}$$

$$37) 9.6 - 8.2 + 6.8 = \boxed{8.2}$$

$$\begin{array}{r} 9.6 \\ - 8.2 \\ \hline 1.4 \end{array} \quad \begin{array}{r} 1.4 \\ + 6.8 \\ \hline 8.2 \end{array}$$

$$38) 0.6 - 3.9 - 0.82 + 3.994 = \boxed{-0.126}$$

$$\begin{array}{r} 3.9 \\ - 0.6 \\ \hline -3.3 \end{array} \quad \begin{array}{r} 3.30 \\ + 0.82 \\ \hline -4.12 \end{array} \quad \begin{array}{r} 3.126 \\ - 3.994 \\ \hline 0.126 \end{array}$$

$$39) 7 + (-3.7) + (+1.9) + (-4.6) = \boxed{0.6}$$

$$\begin{array}{r} 7.0 \\ - 3.7 \\ \hline 3.3 \end{array} \quad \begin{array}{r} 3.3 \\ + 1.9 \\ \hline 5.2 \end{array} \quad \begin{array}{r} 5.2 \\ - 4.6 \\ \hline 0.6 \end{array}$$

$$40) 5.584 + 3.1 + (+0.3) + (+2.4) = \boxed{11.384}$$

$$\begin{array}{r} 5.584 \\ + 3.100 \\ \hline 8.684 \end{array} \quad \begin{array}{r} 8.684 \\ + 0.300 \\ \hline 8.984 \end{array} \quad \begin{array}{r} 8.984 \\ + 2.400 \\ \hline 11.384 \end{array}$$

$$41) (-4.3) + (-2) + (-1.4) + (-3.4) = \boxed{-11.1}$$

$$\begin{array}{r} 4.3 \\ + 2.0 \\ \hline 6.3 \end{array} \quad \begin{array}{r} 6.3 \\ + 1.4 \\ \hline 7.7 \end{array} \quad \begin{array}{r} 7.7 \\ + 3.4 \\ \hline 11.1 \end{array}$$

$$42) 3.997 + (-6.3) + (-6.01) - 1.3 = \boxed{-9.613}$$

$$\begin{array}{r} 3.997 \\ - 6.300 \\ \hline -2.303 \end{array} \quad \begin{array}{r} 2.303 \\ + 6.010 \\ \hline 8.313 \end{array} \quad \begin{array}{r} 8.313 \\ - 1.300 \\ \hline 9.613 \end{array}$$