

Class/Homework

Solutions

$$\begin{aligned}
 &1. \text{ a) } \underline{4.6 + 5.1} - 3.2 \\
 &= \underline{9.7 - 3.2} \\
 &= \boxed{6.5}
 \end{aligned}$$

$$\begin{array}{r}
 \text{Step 1)} \\
 4.6 \\
 + 5.1 \\
 \hline
 9.7
 \end{array}$$

$$\begin{array}{r}
 \text{Step 2)} \\
 9.7 \\
 - 3.2 \\
 \hline
 6.5
 \end{array}$$

$$\begin{aligned}
 &1. \text{ b) } 8 - \underline{3.6 \div 2} \\
 &8 - 1.8 \\
 &= \boxed{6.2}
 \end{aligned}$$

$$\begin{array}{r}
 \text{Step 1)} \\
 3.6 \div 2 \\
 \begin{array}{r}
 1.8 \\
 2 \overline{) 3.6} \\
 \underline{-2} \quad \downarrow \\
 16 \\
 \underline{-16} \\
 0
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{Step 2)} \\
 8 - 1.8 \\
 \begin{array}{r}
 \cancel{8}.0 \\
 - 1.8 \\
 \hline
 6.2
 \end{array}
 \end{array}$$

$$\begin{aligned}
 &1. \text{ c) } \underline{46.4 - 10.8 \times 3} \\
 &= \underline{46.4 - 32.4} \\
 &= \boxed{14.0}
 \end{aligned}$$

$$\begin{array}{r}
 \text{Step 1)} \\
 10.8 \times 3 = 32.4 \\
 \begin{array}{r}
 108 \\
 \times 3 \\
 \hline
 324
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{Step 2)} \\
 46.4 \\
 - 32.4 \\
 \hline
 14.0
 \end{array}$$

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Solutions

1. d) $85.6 \div 0.4 \times 7$

$$\begin{array}{r} 214 \\ \times 7 \\ \hline 1498 \end{array}$$

Step 1) $85.6 \div 0.4$

Not Whole

$$0.4 \overline{) 85.6} \rightarrow 4 \overline{) 856.0}$$

$$\begin{array}{r} 214.0 \\ - 8 \\ \hline 05 \\ - 4 \\ \hline 16 \\ - 16 \\ \hline 0 \end{array}$$

Step 2)

$$\begin{array}{r} 214 \\ \times 7 \\ \hline 1498 \end{array}$$

2)

$$2.5 \times 4 + 9.2 \div 0.1 - (21 - 15)$$

$$2.5 \times 4 + 9.2 \div 0.1 - 6$$

$$10.0 + 9.2 \div 0.1 - 6$$

$$10 + 92 - 6$$

$$102 - 6$$

$$\boxed{96}$$

Step 1)

$$\begin{array}{r} 21 \\ - 15 \\ \hline 6 \end{array}$$

Step 2)

$$\begin{array}{r} 2.5 \\ \times 4 \\ \hline 10.0 \end{array}$$

Step 3)

$$9.2 \div 0.1$$

$$0.1 \overline{) 9.2} \rightarrow 1 \overline{) 92}$$