

## Decimal Word Problems – Solutions

1. 18.15, 18.2, 18.29, 19.07, 20.6

2. 0.825

1.500

+1.750

4.075 miles

3. \$24.99

– 8.00

16.99

16.99

\$17

4. 0.75

× 16

450

750

12.00

12 liters

5.

$\begin{array}{r} 3.97 \\ 5 \overline{)19.85} \end{array}$

–15

48

–45

35

–35

0

\$3.97

6. \$5.42

3.25

4.67

+2.00

\$15.34

\$15.34 > \$15,  yes Jean has enough money for  
the 3 drinks and \$2 tip.

$$\begin{array}{r}
 7. \quad 0.3 \\
 1.2 \\
 0.8 \\
 \hline 1.1 \\
 3.4
 \end{array}$$

$$\begin{array}{r}
 .85 \\
 \overline{)3.40} \\
 \underline{-32} \\
 20 \\
 \underline{-20} \\
 0
 \end{array}$$

**0.85 inches**

8. Mother → twice = 2 times

$$\begin{array}{r}
 1.875 \\
 \times 2 \\
 \hline
 3.750
 \end{array}$$

$$\begin{array}{r}
 \text{Mother} \quad 3.750 \\
 + \text{Jessica} \quad + 1.875 \\
 \hline
 5.625
 \end{array}$$

**5.625 yards**

$$\begin{array}{r}
 9. \quad 2.25 \\
 \underline{-1.75}
 \end{array}$$

.50 cups → what you need  $0.75 > 0.50$ , so

**yes,** you have enough sugar.

10. \$3.35

$$\begin{array}{r}
 \times 6 \\
 \hline
 19.50 \\
 \overset{1}{2} \overset{14}{8} \overset{10}{0} \\
 - 19.50 \\
 \hline
 5.50
 \end{array}$$

**\$5.50 left**

$$\begin{array}{r} 6.9 \\ 0.79 \overline{) 5.500} \\ \underline{-474} \phantom{0} \\ 760 \\ \underline{-711} \\ 49 \end{array}$$

6.9 pencils, but that means you can only purchase

**6 pencils**