Name _____   Date _____
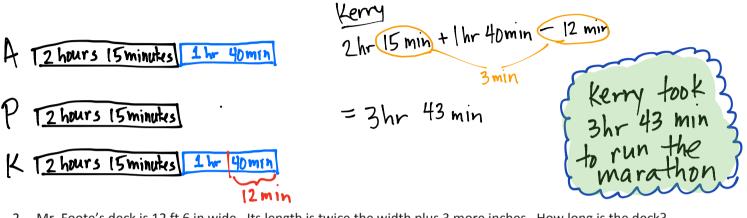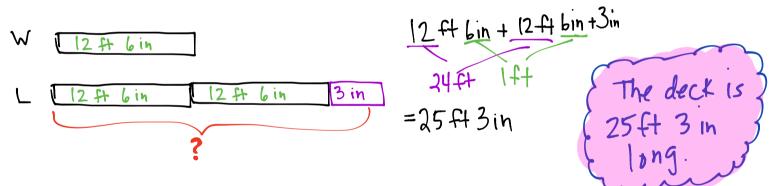
Use RDW to solve the following problems.

1. Ashley ran a marathon and finished 1 hour 40 minutes after P.J., who had a time of 2 hours 15 minutes.
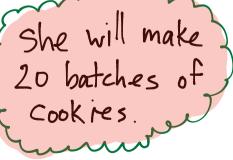   Kerry finished 12 minutes before Ashley. How long did it take Kerry to run the marathon?

Kerry

2 hr 15 min + 1 hr 40 min — 12 min

3 min

= 3 hr 43 min

A | 2 hours 15 minutes | 1 hr 40 min |

P | 2 hours 15 minutes |

K | 2 hours 15 minutes | 1 hr | 40 min |
                              12 min

Kerry took
3 hr 43 min
to run the
marathon

2. Mr. Foote's deck is 12 ft 6 in wide. Its length is twice the width plus 3 more inches. How long is the deck?

W | 12 ft 6 in |

L | 12 ft 6 in | 12 ft 6 in | 3 in |
        ?

12 ft 6 in + 12 ft 6 in + 3 in

24 ft   1 ft

= 25 ft 3 in

The deck is
25 ft 3 in
long.

3. Mrs. Lorentz bought 12 pounds 8 ounces of sugar. This is $\frac{1}{4}$ of the sugar she will use to make sugar
    cookies in her bakery this week. If she uses 10 ounces of sugar for each batch of sugar cookies, how many
    batches of sugar cookies will she make in a week?

12 pounds 8 ounces = 200 ounces

$$\begin{array}{r} {}^{1}12 \\ \times 16 \\ \hline 7\,{}^{2}2 \\ +12\,0 \\ \hline 192 \end{array}$$

$$\begin{array}{r} 20 \\ 10\overline{)200} \\ -20\downarrow \\ \hline 00 \end{array}$$

She will make
20 batches of
cookies.

4. Beth Ann practiced piano for 1 hour 5 minutes each day for 1 week. She had 5 songs to practice and
    spent the same amount of time practicing each song. How long did she practice each song during the
    week?

1 hour 5 minutes = 65 minutes

65 minutes x 7 = 455 min
                 in a week

$$
\begin{array}{r}
9\ 1 \\
5\overline{)455} \\
-45 \\
\hline
0\ 5 \\
-\ 5 \\
\hline
0
\end{array}
$$

She practiced each
song for 91 minutes.

5. The concession stand has 18 gallons of punch. If there are a total of 240 students who want to purchase
    1 cup of punch each, will there be enough punch for everyone?

1 gal = 4 qt = 8 pt = 16 cups

1 qt = 2 pt

1 pt = 2 cups

18 x 16 = 288 cups

Yes, there will be enough
punch for everyone.