

- 1 Jordan recorded how far he ran each day for a few days. He ran $2\frac{3}{8}$ miles twice, $1\frac{5}{8}$ miles another day, and $1\frac{7}{8}$ miles on a fourth day. How far did he run in total?

Number model with unknown:

$$2\frac{3}{8} + 2\frac{3}{8} + 1\frac{5}{8} + 1\frac{7}{8} = m$$

Answer: $6\frac{18}{8}$, or
 $8\frac{2}{8}$, or $8\frac{1}{4}$



- 2 Divide. Show your work.

a. Estimate: $\underline{12}$ b. Estimate: $\underline{14}$

$$\begin{array}{r} 14 \\ 6 \overline{)84} \end{array}$$

$$\begin{array}{r} 15 \text{ R}3 \\ 4 \overline{)63} \end{array}$$

Estimates are sample answers.



- 3 Subtract.

a. $\frac{2}{3} - \frac{1}{3} = \underline{\frac{1}{3}}$

b. $\frac{4}{6} - \frac{3}{6} = \underline{\frac{1}{6}}$

c. $\frac{11}{12} - \frac{7}{12} = \underline{\frac{4}{12}, \text{ or } \frac{1}{3}}$

d. $\underline{4\frac{7}{8}} - 1\frac{2}{8} = 3\frac{5}{8}$

e. $6\frac{3}{10} - 3\frac{5}{10} = \underline{2\frac{8}{10}, \text{ or } 2\frac{4}{5}}$



- 4 Write $>$, $<$, or $=$.

a. $0.79 \underline{<} 0.97$

b. $0.3 \underline{>} 0.1$

c. $0.5 \underline{=} 0.50$

d. $0.4 \underline{>} 0.14$

e. $0.72 \underline{>} 0.7$

f. $0.14 \underline{<} 0.2$



- 5 **Writing/Reasoning** Explain how you compared the decimals in Problem 4e.

Sample answer: First I compared the number of tenths in each decimal, and they each had 7 tenths. Then I compared the hundredths, and 0.72 has 2 hundredths while 0.7 has none, so 0.72 is greater.

