

- 1 Solve. Show your work.

$$\underline{4\frac{3}{8}} = 1\frac{7}{8} + 2\frac{1}{2}$$



- 2 Kallie finished the 200-meter dash in exactly 30.0 seconds. Another runner finished in 27.8 seconds. How much faster than Kallie was the other runner?

Answers vary.

(estimate)

$$\underline{30.0 - 27.8 = t}$$

(number model)

Answer: 2.2 seconds faster

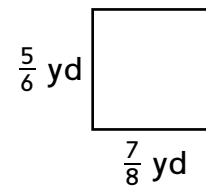


- 3 Frances solved the problem $4\frac{7}{8} + 2\frac{1}{2}$ and got $6\frac{8}{10}$ as the sum. Is Frances correct? How do you know?

Sample answer: Frances is not correct because $4\frac{7}{8}$ is close to 5 and $5 + 2\frac{1}{2} = 7\frac{1}{2}$, so the sum should be greater than 7.



- 4 The rectangle below is a model of Gary's garden. What is the area of his garden?



$$\underline{\frac{7}{8} * \frac{5}{6} = g}$$

(number model)

Answer: 35/48 square yard



- 5 **Writing/Reasoning** Explain how you solved Problem 1.

Sample answer: First I found a common denominator for the fractions, $\frac{7}{8}$ and $\frac{1}{2}$. I noticed 2 is a factor of 8, so I used 8 as my common denominator. To go from 2 to 8, I have to multiply by 4, so I multiplied both the numerator and denominator of $\frac{1}{2}$ by 4 and got $\frac{4}{8}$. I added $1\frac{7}{8} + 2\frac{4}{8}$ and got $3\frac{11}{8}$, or $4\frac{3}{8}$.

