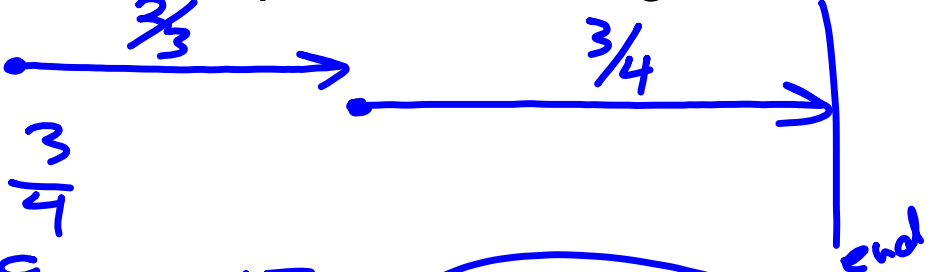
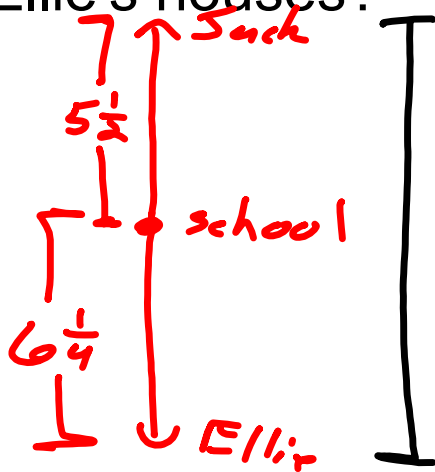


**Warm up:**

Mrs. Escalante was riding a bicycle on a bike path. After riding  $\frac{2}{3}$  of a mile, she discovered that she still needed to travel  $\frac{3}{4}$  of a mile to reach the end of the path. How long is the bike path?


$$\frac{2}{3} + \frac{3}{4}$$
$$\frac{8}{12} + \frac{9}{12} = \frac{17}{12} = 1\frac{5}{12} \text{ mi}$$

Jack lives  $5\frac{1}{2}$  mi north of the school. Ellie lives  $6\frac{1}{4}$  mi south of the school. How far apart are Jack and Ellie's houses?

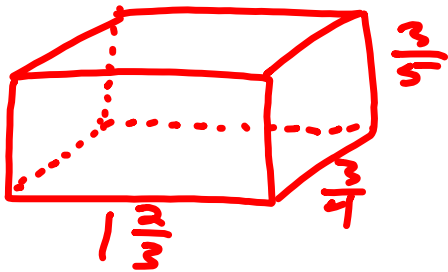


$$\begin{aligned}
 &5\frac{1}{2} + 6\frac{1}{4} \\
 &\frac{11}{2} + \frac{25}{4} \\
 &\frac{22}{4} + \frac{25}{4} \\
 &\frac{47}{4} = 11\frac{3}{4} \text{ mi}
 \end{aligned}$$

Craig uses  $1\frac{1}{4}$  oz of coffee beans everyday to make his coffee. How many ounces of coffee beans would he use in 7 days?

$$1\frac{1}{4}(7) \\ \frac{5}{4}(\frac{7}{1}) = \frac{35}{4} = 8\frac{3}{4} \text{ oz}$$

A fish tank has a length of  $1\frac{2}{3}$  ft, a width of  $\frac{3}{4}$  ft, and a height of  $\frac{3}{5}$  ft. What is the volume?



$$1\frac{2}{3} \cdot \frac{3}{4} \cdot \frac{3}{5}$$

$$\cancel{\frac{3}{3}} \cdot \frac{3}{4} \cdot \cancel{\frac{3}{5}}$$

$$\frac{3}{4} \text{ ft}^3$$

## HW Solutions

⑦

$$\begin{array}{r} -4\frac{1}{4} \\ \hline -1\frac{5}{6} \end{array}$$

2

$$\begin{array}{r} 17 \\ \times 3 \\ \hline 51 \end{array}$$

$$-\frac{17}{4} \div \left(-\frac{11}{6}\right)$$

$$-\frac{17}{4} \cdot \left(-\frac{6}{11}\right)^3$$

$$\frac{51}{22} = \left(2\frac{7}{22}\right)$$

# Practice

①

$$-1\frac{1}{2}$$

$$-1\frac{1}{2} \div (-1\frac{1}{2})$$

$$= \frac{-1\frac{1}{2}}{-1\frac{1}{2}} = \frac{-\frac{3}{2}}{-\frac{3}{2}}$$

$$= \frac{-\cancel{3}^1 \cdot \cancel{2}^1}{-\cancel{3}^1 \cdot \cancel{2}^1} = 1$$

= 8 weeks

Q

$$16 \div \frac{2}{3}$$
$$8 \frac{\cancel{16}}{1} \cdot \frac{\cancel{3}}{2} = 24 \text{ guests}$$

$$(3) \quad 14\frac{1}{2} \times 5\frac{3}{4}$$



