Name _____ Date _____

1. Convert. Show your work. Express your answer as a mixed number. The first one is done for you.

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a. $2\frac{2}{3}$ yd = __8__ ft

$$2\frac{2}{3} \text{ yd} = 2\frac{2}{3} \times 1 \text{ yd}$$
$$= 2\frac{2}{3} \times 3 \text{ ft}$$
$$= \frac{8}{3} \times 3 \text{ ft}$$
$$= \frac{24}{3} \text{ ft}$$
$$= 8 \text{ ft}$$

b. $1\frac{1}{4}$ ft = _____ yd

$$1\frac{1}{4} \text{ ft} = 1\frac{1}{4} \times 1 \text{ ft}$$
$$= 1\frac{1}{4} \times \frac{1}{3} \text{ yd}$$
$$= \frac{5}{4} \times \frac{1}{3} \text{ yd}$$
$$=$$

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c. $3\frac{5}{6}$ ft = _____ in

d. $7\frac{1}{2}$ pt = _____ qt

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e. $4\frac{3}{10}$ hr = _____ min

f. 33 months = _____ years

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2. Four members of a track team run a relay race in 165 seconds. How many minutes did it take them to run the race?

3. Horace buys $2\frac{3}{4}$ pounds of blueberries for a pie. He needs 48 ounces of blueberries for the pie. How many more pounds of blueberries does he need to buy?

4. Tiffany is sending a package that may not exceed 16 pounds. The package contains books that weigh a total of $9\frac{3}{8}$ pounds. The other items to be sent weigh $\frac{3}{5}$ the weight of the books. Will Tiffany be able to send the package?

# Answer Key

1. a. Answer provided

   b. $\frac{5}{12}$

   c. 46

   d. $3\frac{3}{4}$

   e. 258

   f. $2\frac{3}{4}$

2. $2\frac{3}{4}$ min

3. $\frac{1}{4}$ lb

4. Yes, because the package weighs 15 lb