Name _____

Date _____

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

	2
a. $2\frac{2}{3}$ yd = <u>8</u> ft	b. $1\frac{1}{4}$ ft = <u>12</u> yd
$2\frac{2}{3}$ yd = $2\frac{2}{3} \times 1$ yd	$1\frac{1}{4}$ ft = $1\frac{1}{4} \times 1$ ft
$=2\frac{2}{3} \times 3$ ft	$= 1\frac{1}{4} \times \frac{1}{3} \text{ yd}$
$=\frac{8}{3} \times 3$ ft	$=\frac{5}{4}\times\frac{1}{3}$ yd
$= \frac{1}{3}$ tt	$=\frac{5}{12}$ yol
= 810	
2 ⁵ the in	$\frac{2}{3}$
$c. s_{-6} = 1 = 1$	u. $7\frac{1}{2}$ pt = qt
3툰ft = 3툰 x 1 ft	フナロナ = フナン lpt
$=\frac{23}{6} \times 12$ in	$= 15 \times \frac{1}{2} \text{ at}$
72 4122	2 2 0
$=\frac{25\times12}{16}$ in	$=\frac{15}{4}q^{+}$
= 46 in	= 3 = qt
e. $4\frac{3}{10}$ hr = 258 min	f. 33 months = $2 \frac{1}{12}$ years = $2 \frac{3}{4}$ year
$11^{3}hr = 4^{3}hr$	33 mo. = 33 x lmo
410 M HO	= 33 x 15 Vr
$=\frac{43}{10}\times60$ min	
	$=\frac{33}{12}$ yr
$=\frac{43\times60}{10}$ min	(°~ / Gi
= 258 min	$= 2 \overline{12} \gamma r$
	= 7 3 vr



Lesson 20:

11/10/13

Convert mixed unit measurements, and solve multi-step word problems.

engage^{ny}



- 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?
 - 165 seconds = _____ minutes 165 sec = 165 × 1 sec = 165 × 60 min = 165 min = 2 45 min



3. Horace buys $2\frac{3}{4}$ lb of blueberries for a pie. He needs 48 oz 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 lb. The package contains books that weigh a total of $9\frac{3}{8}$ lb. The other items to be sent weigh $\frac{3}{5}$ the weight of the books. Will Tiffany be able to send the package?





problems 11/10/13

Convert mixed unit measurements, and solve multi-step word problems.

