1) The early 1900's witnessed the largest Great White Shark ever caught. It was 37 feet long and it weighed 24,000 lbs. At that rate, a 10,000 pounder would be how long? (Answer as mixed #.) (*Source:*http://www. corsinet. com/trivia/a-triv.html)

ft → / lbs → $\frac{37}{24{,}000} = \frac{x}{10{,}000}$

$\frac{185}{12} = x$

$15\frac{5}{12} = x$ feet

2) In 2013, out of about 70,000 college f… 254 NCAA student athletes were drafte… football teams. If there are 1400 college… in a particular state, how many of them … drafted to a pro team? (Answer as a mix… to the nearest whole #.) (*Source:*http://www.… default/files/ Probability-of-going-pro-methodology_U…

total → / drafted → $\frac{70{,}000}{254} = \frac{1400}{x}$

$\frac{35{,}000}{127} = \frac{1400}{x}$

$x = \frac{127}{25}$

$x = 5\frac{2}{25}$ or $x \approx 5$ drafted

I reduce my way to an answer:

$\frac{127 \cdot 1400 \div 100}{35{,}000 \div 100} =$

$\frac{127 \cdot 14 \div 7}{350 \div 7} =$

$\frac{127 \cdot 2 \div 2}{50 \div 2} =$

$\frac{127 \cdot 1}{25}$

127x LCD

$35{,}000x = 127 \cdot 1400$

$25\overline{)127}$ R 2

3) The common garden snail is actually the "fastest" of the land snails; in 5.1 minutes it can travel about 14 feet. How many minutes will it take to travel 21 feet? (Answer as a decimal.) (*Source:* http://www.corsinet.com/trivia/a-triv.html)

minutes → / ft → $\frac{5.1}{14} = \frac{x}{21}$

$\frac{15.3}{2} = x$

$7.65 = x$ minutes

$2\overline{)15.30}$

4) Running 2 miles burns about 1300 calories. *(180 lb. person running 12 minute miles)* If a woman decides to burn up 2100 calories, how far should she run at this pace? (Answer as a mixed #, then round to the nearest whole #.) (*Source:* http://www.nutristrategy.com/caloriesburned.htm)

miles → / calories → $\frac{2}{1300} = \frac{x}{2100}$

$\frac{42}{13} = x$

$3\frac{3}{13} = x$ or $3 \approx x$ miles

$13\overline{)42}$

5) Vacationing on the island of Oahu, Hawaii, you are staying in Waikiki. You plan to visit Hanauma Bay, a popular snorkeling spot. The scale on your map indicates that $1\frac{1}{3}$ inches is equivalent to 1 mile on the road. If Hanauma Bay is 10 inches on the map, how far is it on the road? (Answer as improper fraction and mixed #.)

inches → / miles → $\frac{1\frac{1}{3}}{1} = \frac{10}{x}$

$\frac{4}{3} = \frac{10}{x}$

$4x = 30$

3x LCD

$x = \frac{15}{2}$ or $x = 7\frac{1}{2}$ miles

6) Planning a Big Lebowski movie party, your roommates realize that you have everything needed for White Russians* except Kahlua. According to the recipe, 1 drink requires $\frac{3}{4}$ ounce. The smallest bottle in the store is about 7 ounces. With this bottle, how many drinks could you make? (Answer as a mixed #.) (**White Russian is the signature drink in the movie.)*

drinks → / oz Kahlua → $\frac{1}{\frac{3}{4}} = \frac{x}{7}$

$\frac{4}{3} = \frac{x}{7}$

$\frac{28}{3} = x$

$x = 9\frac{1}{3}$ drinks