MATH !$★ Homework 4/23–27

(1) Find the products.

(a) $1\frac{2}{5} \times 2\frac{2}{3}$ (b) $4\frac{4}{5} \times 6\frac{5}{6}$ (b) $100\frac{4}{9} \times \frac{7}{10}$

(2) $\frac{2}{3}$ of a carton of candy cost \$2.40. How much does the candy cost? Do this problem in at least two different ways and explain how you get the answer each way.

(3) Joan drank a 12 oz bottle of Burpo and Carol drank a 16 oz can of Carbon Light. "I drank $\frac{1}{3}$ more than you did," said Carol. "I drank $\frac{1}{4}$ less," said Joan. Who is right and why?

(4) Patty is 16 years old. Laurie is $\frac{7}{8}$ of Patty's age; Jim is $3\frac{2}{7}$ of Laurie's age; and Ed is $1\frac{1}{2}$ of Jim's age. How old is Jim?

(5) Denny wrote the following on his arithmetic test: $\frac{16}{64} = \frac{1}{4}$. He claims that he has discovered that sixes always cancel. His teacher thinks this was just an accident.

(a) Find Denny an example where his method fails.

(b) Find a different example of one fraction where you can cancel sixes.

(c) Find an example of one fraction where you can cancel another number (not 6) and get an equivalent fraction.