

Solve these problems using the definitions and techniques that we have learned to date. (Note: *We do not yet have a meaning for multiplication of two fractions.*)

1. Han bought two-thirds of a box of ice cream sandwiches and paid \$2.40.  
*How much does a full box cost?*

Solve in two different ways and explain how you get the answer each way.

If the box contained 15 ice cream sandwiches, *how much does one sandwich cost?*

2. T. J. spends one-fourth of his monthly income on rent and four-ninths of what is left on food. He has \$450 left after paying for the food and his rent.

*What is his total monthly income?*

Solve in two different ways and explain how you got the answer each way.

3. On Sunday, Joaquin counted his cash and then divided it into two equal parts. He put half in his wallet and left the other half in his home. That afternoon, he took some friends to the baseball game and spent one-third of his total amount of cash. Joaquin had \$105 left from the cash he took with him to the game.

*How much money did Joaquin have on Sunday before dividing it?*

Solve and explain how you got the answer.