**Lesson 1 Problem-Solving Practice**

***Solve Equations with Rational Coefficients***

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|  | **1. RECYCLING** The Swiger family recycles about 15 pounds of waste a week. This is of the total waste for the week. How many pounds of waste does the family produce each week? |  | **2. SCHOOL** Four-ninths of the students at Edison Junior High School walk to school. If 248 students walk to school, how many students attend Edison Junior High School? |
|  | **3. HEART RATE** Melinda’s heart beats 15 times during of a minute. At that rate, how many times does her heart beat each minute? |  | **4. SPACE** The weight of an object on the Moon is one-sixth its weight on Earth. If an object weighs 48 pounds on the Moon, how much does it weigh on Earth? |
|  | **5. FINANCIAL LITERACY** Candace used of her savings to buy a $531.25 laptop. How much did she have in savings before purchasing the laptop? |  | **6. BOOK FINES** The library charges $0.15 a day for each day a book is late. How many days late is a book if the fine is $2.10? |
|  | **7. DONATIONS** Seven-ninths of the weight of food donated by the Art Club is canned goods. The Art Club donated 362 pounds of canned goods. How many total pounds did the Art Club donate? |  | **8. TEXTING** Josiah’s cell phone plan allows for a number of minutes of air time for $20.00 a month. Each minute costs $0.02. How many minutes of air time is he allowed? |