Module 13: Student Activity

Fractions, Decimals & Tax Dollars

By examining how much people pay in taxes, this activity teaches students about fractions and decimals and how they are used in real-world financial transactions. By the end of this exercise, students will be able to convert between fractions and decimals and understand their application in financial contexts.

1. **Convert each of these into a fraction, a decimal rounded to the nearest thousandth, and a percent.**

Description	Fraction	Decimal	Percent
7 out of 20 students in the class had income tax withheld from their paychecks			
8 states in the US have no state income tax			
27 states require high school students to learn about personal finance			
$3 of Christine's $41 receipt was sales tax			
$52.70 was deducted from Larnell's $850 paycheck for Social Security taxes			

2. **The Tax Policy Center estimates 40% of middle-income households paid no federal income tax for tax year 2022. Write this percent as a fraction.**

3. **18 out of 26 students in the class have never filed taxes before. Represent this value as a percent rounded to the nearest tenth.**

4. **In 2022 the top 1% of taxpayers (in many cases, people with the highest incomes) paid nearly 26% of the total federal income taxes collected. Write each percent as a fraction.**

5. **1896 of the 6492 households in your zip code filed their taxes by February 15. By March 15, another 2429 had done so. What percent of households, rounded to the nearest tenth, have not filed by March 15?**

6. **$3.34 out of Annette's $73 bill at the grocery store was sales tax. Write this as a rational number, remembering that numerator and denominator must be integers.**

7. **Kirsten thinks 24% of federal tax dollars should fund education, and Jackson thinks $0.35 of every tax dollar should go toward education. Who supports more education funding?**