

# 7.13(A)

calculate the sales tax for a given purchase and calculate income tax for earned wages

**INTERVENE**

<1 min

# Fluency Practice

- What is 23% written as a decimal?
- What is 8% written as a decimal?
- What is 5% of 40?
- What is 32% of 128?

2 min

# Problem Solving Strategies

- **1. Understand the Problem**
  - Read the problem carefully (at least 2 to 3 times)
  - Highlight important information (what do I know)
  - Identify Math Clue words (words that tell you what math operations you need to use)
  - Underline what you need to find
- **2. Plan of Action (how you will solve this problem in steps)**
  - First I will
  - Then I will
  - Next I will
  - Finally, I will
- **3. Show your work in steps (solve using your steps)**
- **4. Check your answer (does my answer make sense? why)** <3 min

# Taxes!

- We pay taxes, which are calculated as a percent of what you paid (or made)
- Sales Tax – Taxes on what you bought. (Ex. If you buy a loaf of bread, there will be taxes charged o it.)
- Income Tax – Taxes coming from what you earn from a job (ex. when you get a job, taxes are usually taken out before you receive your paycheck.

1 min

# How do you calculate sales tax?

- Let's say you just bought a bicycle.
- It costs 95 dollars. The sales tax in the area is 5.8%
- To find how much you'll pay in taxes, multiply \$95 and  $0.058 = \$5.51$

# What about income taxes?

- You calculate this the same way:
- Let's say you make 88,000 dollars a year.
- Your income tax rate is 7%
- Your taxes would be  $88,000 \times 0.07 = \$6,160$ .

# I Do

A doctor has an annual income of \$152,125. The income tax the doctor has to pay is 6%. What is the amount of income tax in dollars and cents that the doctor has to pay?

<5 min

# We do - Question 1

A refrigerator is priced at \$525.50. There is a 6% sales tax rate. What is the sales tax for the refrigerator in dollars and cents?

<5 min



# We Do – Question 2

Cassie wants to buy a pair of shoes for \$26.50 and a shirt for \$9.50. If the sales tax rate is 8.25%, what will be the amount of sales tax on Cassie's purchase?

<5 min

# We do - Question 3

Amelia paid \$37.95 for a hardcover book. The total she paid already included a 9% sales tax. What is the closest dollar amount of sales tax Amelia paid for the book?

- A. \$3.13
- B. \$9.00
- C. \$34.82
- D. \$4.30

<5 min

# We do - Question 4

Roger buys a toy for \$84.32. He pays 8% in sales tax for the toy. Which of the following dollar amounts is closest to what Roger pays in sales taxes?

- A. \$16.86
- B. \$91.07
- C. \$0.67
- D. \$6.75

<5 min

# Q5

An engineer earns \$105,493 in income this year. He pays 25% towards income taxes. What amount will the engineer pay in income taxes this year?

- A. \$79,119.75
- B. \$26,373.25
- C. \$102,993
- D. \$24,522.75

# You Do

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- Go back to Intervene to take your quiz!

# Answer Key

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I Do – 9,127.5

We Do 1 – 31.53

We Do 2 – B

We Do 3- A

We Do 4 – D

We Do 5 – B