
Income Tax Worksheet – Answer Key

Calculate average and marginal tax rates for different income levels.
Using the tax table on the web site, answer the following questions:

1.) Emma's Taxable Income = \$11,000

What is the total amount of tax paid? \$0.00

What is her average tax rate? 0%

What is her marginal tax rate? 0%

Calculation

$$\$11,000 \times 0\% = \$0.00$$

From Table

to \$11,809 = 0%

2.) Logan's Taxable Income = \$35,000

What is the total amount of tax paid? \$4,638

- show math:

What is his average tax rate? 13.25%

- show math:

What is his marginal tax rate? 20.0%

Calculation

$$\$11,809 \times 0\% = \$0.00$$

$$\$23,191 \times 20\% = \$4,638.20$$

$$\text{Total Tax Paid} = \$4,638.20$$

Calculation

$$\$4,638.20 / \$35,000 = 13.25\%$$

From Table

to \$39,676 = 20%

3.) Olivia's Taxable Income = \$75,000

What is the total amount of tax paid? \$15,153.67

- show math:

What is her average tax rate? 20.2%

- show math:

What is her marginal tax rate? 28.2%

Calculation

$$\$11,809 \times 0.0\% = \$0.00$$

$$\$27,867 \times 20\% = \$5,573.40$$

$$\$6,929 \times 22.7\% = \$1,572.88$$

$$\$28,395 \times 28.2\% = \$8,007.39$$

$$\text{Total Tax Paid} = \$15,153.67$$

Calculation

$$\$15,153.67 / \$75,000 = 20.2\%$$

From Table

to \$79,353 = 28.2%
