

Olivia's mom got a new job! Help her figure out her take home pay.

Use the information from her paycheck and paystub to solve the problems below. Once you solve the problems, you can fill in the missing amounts on the paycheck and try to open the next lock!

Step 1: How much did she earn?

$$\frac{75}{\text{Hours}} \times \frac{25.00}{\text{Rate}} = \$ \frac{1,875.00}{\text{Gross Income}}$$

Step 2: How much was deducted?

$$\frac{\$ 1,875}{\text{Gross Income}} \times \frac{.05}{5\% \text{ Federal Tax}} = \$ \frac{93.75}{\text{Deduction}}$$

$$\frac{\$ 1,875}{\text{Gross Income}} \times \frac{.03}{3\% \text{ State Tax}} = \$ \frac{56.25}{\text{Deduction}}$$

$$\frac{\$ 1,875}{\text{Gross Income}} \times \frac{.06}{6\% \text{ Social Security}} = \$ \frac{112.50}{\text{Deduction}}$$

Step 3: Subtract deductions from gross income to calculate take home pay.

$$\frac{\$ 1,875}{\text{Gross Income}} - \frac{93.75}{5\% \text{ Federal Tax}} - \frac{56.25}{3\% \text{ State Tax}} - \frac{112.50}{6\% \text{ Social Security}} = \$ \frac{1,612.50}{\text{Take Home Pay}}$$