

## Bell Work

**Work with a partner.** You earn \$9.75 per hour at your part-time job. Your paycheck for last week is shown.



- How many hours did you work last week? Explain how you found your answer.
- This week you earn the same amount as last week, but that amount includes \$39 that you earn babysitting. Without solving, determine whether you work more hours at your part-time job this week than last week. Explain your reasoning.



## **KEY IDEA**

### **Solving Multi-Step Equations**

To solve a multi-step equation, simplify each side of the equation, if necessary. Then use inverse operations to isolate the variable.

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Explain how you know that  $-12 = 9x - 6x + 15$   
and  $-27 = 3x$  have the same solution.

**EXAMPLE 4****Modeling Real Life**

Use the table to find the number of miles you need to bike on Friday so that the mean number of miles biked per day is 5.

Day	Miles
Monday	3.5
Tuesday	5.5
Wednesday	0
Thursday	5

One person buys a used car in Indiana and pays \$10,195, including 7% sales tax and \$425 in additional fees. Another person buys a used car in Pennsylvania and pays \$9995, including 6% sales tax and \$420 in additional fees. Compare the list prices of the used cars. (The list price is the price of the car before sales tax and fees.)