

NAME \_\_\_\_\_

**Module 4** Solving Problems Using Linear Equations of One Variable  
**Lesson 2** Solving Consumer/Business Problems Using Equations of One Variable



**additional  
practice**

**Solve.**

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|--|---|
| <p>1. Carl worked for 13 hours and earned \$107.25. What is Carl's hourly wage?</p> <p><b>\$8.25</b></p>   | <p>2. Walter earns \$11.65 per hour. How many hours did Walter work if he earned \$407.75?</p> <p><b>35 hours</b></p>   |
| <p>3. A painter charges a \$40 materials fee plus \$60 per hour. How many hours did the painter work if a job cost \$280?</p> <p><b>4 hours</b></p>            | <p>4. A mailing center charges \$1.00 plus \$0.24 per page to send a fax. How many pages were sent if the total charge was \$4.84?</p> <p><b>16 pages</b></p>                       |
| <p>5. The sum of two consecutive integers is 29. What are the two integers?</p> <p><b>14 and 15</b></p>  | <p>6. The sum of two consecutive odd integers is -24. What are the two integers?</p> <p><b>-13 and -11</b></p>  |
| <p>7. A toy store owner makes a profit of 3% of the store's total sales. What are the total sales if the owner's profit is \$1,200?</p> <p><b>\$40,000</b></p> | <p>8. A waiter must report 12% of his total sales for each shift as tip income. If he reports \$42 in tip income, what were his total sales for that shift?</p> <p><b>\$350</b></p> |
| <p>9. A telemarketer earns 22% commission on his sales. What were his sales if his commission was \$150.70?</p> <p><b>\$685</b></p>                            | <p>10. After a 15% markup, the price of a CD player was \$74.75. What was the wholesale price of the CD player?</p> <p><b>\$65</b></p>  |
| <p>11. Molly paid \$55.65 for a skateboard, including 5% sales tax. What was the price of the skateboard without the sales tax?</p> <p><b>\$53</b></p>         | <p>12. Gregory's favorite clothing store is having a 20% off sale. How much will Gregory pay for a pair of jeans that are regularly priced at \$49.00?</p> <p><b>\$39.20</b></p>    |

