Do You Understand?

1. Carlos saves 18 cents every day of the year. If there are 365 days this year, how many cents will he have saved by the end of the year? Write an equation that represents the problem. Then solve the equation.

2. Model with Math  Lila drives 129 kilometers round trip to work. How many kilometers does she drive in 31 days? Write an equation that represents the problem. Then solve the equation.

Do You Know How?

In 3–6, estimate each product. Then complete each calculation. Check that your answer is reasonable.

3. \[134 \times 11\]
4. \[208 \times 26\]
5. \[428 \times 35\]
6. \[275 \times 56\]

Independent Practice

Leveled Practice  In 7–22, estimate and then compute each product. Check that your answer is reasonable.

7. \[531 \times 47\]
8. \[759 \times 68\]
9. \[367 \times 92\]
10. \[817 \times 45\]
11. \[1,206 \times 77\]
12. \[543 \times 18\]
13. \[908 \times 62\]
14. \[750 \times 81\]

15. \[6,755 \times 9\]
16. \[869 \times 46\]
17. \[922 \times 81\]
18. \[783 \times 14\]

19. \[684 \times 15\]
20. \[650 \times 22\]
21. \[2,525 \times 37\]
22. \[615 \times 41\]

*For another example, see Set C on page 157.
23. **Model with Math** Jason frequently travels for work. This year he plans to make 15 trips to Chicago. What is the total cost for the airfare? Write an equation that represents the problem. Then solve the equation.

24. **Reasoning** Which would cost more: 15 trips to Boston or 11 trips to New York? Explain.

<table>
<thead>
<tr>
<th>Destination</th>
<th>Ticket Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boston</td>
<td>$178</td>
</tr>
<tr>
<td>New York</td>
<td>$225</td>
</tr>
<tr>
<td>Chicago</td>
<td>$489</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>$1,240</td>
</tr>
</tbody>
</table>

25. A cook at a restaurant is planning her food order. She expects to use 115 pounds of potatoes each day for 12 days. How many pounds of potatoes will she order?

26. **Higher Order Thinking** Carolyn bought a gallon of paint that covers 250 square feet. She wants to paint a wall that is 16 feet wide and 12 feet high. Explain whether or not she will need more than one gallon of paint.

27. Jack estimates the product $257 \times 29$ is less than 6,000. Marta disagrees. She estimates the product is more than 7,000. Whose estimate is better? Explain your thinking.

28. When you multiply a 3-digit number by a 2-digit number, what is the greatest number of digits the product can have? Explain.