# Multiplying by Two-Digit Numbers

**SKILLS**

Find each product.

<p>| | | | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>72</td>
<td>× 43</td>
<td></td>
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<tr>
<td>2.</td>
<td>49</td>
<td>× 31</td>
<td></td>
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<tr>
<td>3.</td>
<td>26</td>
<td>× 84</td>
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<tr>
<td>4.</td>
<td>57</td>
<td>× 73</td>
<td></td>
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<tr>
<td>5.</td>
<td>64</td>
<td>× 95</td>
<td></td>
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<tr>
<td>6.</td>
<td>104</td>
<td>× 49</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>392</td>
<td>× 32</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>285</td>
<td>× 27</td>
<td></td>
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</tbody>
</table>

Multiply.

<p>| | | | |</p>
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<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>9.</td>
<td>56</td>
<td>× 24</td>
<td></td>
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<tr>
<td>10.</td>
<td>97</td>
<td>× 33</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>64</td>
<td>× 48</td>
<td></td>
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<tr>
<td>12.</td>
<td>39</td>
<td>× 26</td>
<td></td>
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<tr>
<td>13.</td>
<td>58</td>
<td>× 47</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>617</td>
<td>× 28</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>249</td>
<td>× 82</td>
<td></td>
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<tr>
<td>16.</td>
<td>367</td>
<td>× 63</td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td>491</td>
<td>× 42</td>
<td></td>
</tr>
<tr>
<td>18.</td>
<td>807</td>
<td>× 53</td>
<td></td>
</tr>
<tr>
<td>19.</td>
<td>732</td>
<td>× 71</td>
<td></td>
</tr>
<tr>
<td>20.</td>
<td>853</td>
<td>× 49</td>
<td></td>
</tr>
<tr>
<td>21.</td>
<td>469</td>
<td>× 93</td>
<td></td>
</tr>
<tr>
<td>22.</td>
<td>565</td>
<td>× 79</td>
<td></td>
</tr>
<tr>
<td>23.</td>
<td>196</td>
<td>× 37</td>
<td></td>
</tr>
<tr>
<td>24.</td>
<td>521</td>
<td>× 88</td>
<td></td>
</tr>
</tbody>
</table>
Multiplying by Two-Digit Numbers

CRITICAL THINKING AND PROBLEM SOLVING

Find the product. You may use a calculator.

25. 573  
    \[ \times 86 \]

26. 736  
    \[ \times 95 \]

27. 985  
    \[ \times 79 \]

28. 606  
    \[ \times 74 \]

29. 236  
    \[ \times 45 \]

30. 809  
    \[ \times 99 \]

31. 739  
    \[ \times 87 \]

32. 493  
    \[ \times 68 \]

33. 126  
    \[ \times 85 \]

34. 376  
    \[ \times 49 \]

35. A sport store ordered 125 pairs of soccer shoes.  
   If the shoes cost $25 a pair, how much money did the store invest in soccer shoes?  
   The store invested _______ in soccer shoes.

36. Five families want to visit an amusement park.  
   They need 18 tickets.  
   Each ticket costs $28.  
   What is the total cost for 18 tickets?  
   The tickets cost _______.

37. A class of 24 students is ordering lunches for their field trip.  
   Lunches cost $3.  
   What is the total cost for the lunches?  
   The total cost is _______.

38. On your vacation you traveled an average of 225 miles each day for 14 days.  
   How many miles did you travel?  
   You traveled _______ miles.

39. A kennel uses 35 pounds of food each day.  
   How many pounds will the kennel use in one year?  
   (There are 365 days in one year.)  
   The kennel will use _______ pounds of food in one year.
Multiplying Three Factors

**SKILLS**

Find each product.

1. \(4 \times 3 \times 26 = ?\)
2. \(9 \times 7 \times 41 = ?\)
3. \(18 \times 3 \times 36 = ?\)

4. \(16 \times 27 \times 4 = ?\)
5. \(49 \times 8 \times 12 = ?\)
6. \(64 \times 28 \times 19 = ?\)

7. \(72 \times 36 \times 5 = ?\)
8. \(9 \times 81 \times 36 = ?\)
9. \(21 \times 43 \times 17 = ?\)

Choose the factors which have the given product.

10. Product = 324
    a. 9, 12, 4
    b. 3, 6, 9
    c. 9, 12, 3
    d. 12, 6, 12

11. Product = 378
    a. 21, 6, 8
    b. 21, 6, 3
    c. 23, 13, 2
    d. 23, 6, 3

12. Product = 2,583
    a. 31, 9, 7
    b. 41, 7, 5
    c. 41, 3, 11
    d. 41, 9, 7

13. Product = 1,875
    a. 35, 5, 15
    b. 25, 25, 5
    c. 25, 15, 5
    d. 25, 15, 15

    a. 26, 16, 27
    b. 16, 27, 21
    c. 26, 6, 27
    d. 16, 26, 17

15. Product = 44,200
    a. 35, 52, 24
    b. 34, 25, 52
    c. 34, 45, 32
    d. 52, 35, 25

16. Which is equal to \(27 \times 36 \times 49\)?
    a. \(1,764 \div 27\)
    b. \(27 + 36 + 49\)
    c. \(49 \times 27 \times 36\)

17. Which is equal to \(29 \times 17 \times 41\)?
    a. \(17 \times 29 \times 41\)
    b. \(29 + 17 + 41\)
    c. \(1,189 \div 17\)

18. Which is equal to \(97 \times 8 \times 49\)?
    a. \(49 \times 8 \times 79\)
    b. \(97 \times 49 \times 18\)
    c. \(49 \times 97 \times 8\)
Multiplying Three Factors

CRITICAL THINKING AND PROBLEM SOLVING

19. Three classes with 24 students in each class are going to a museum. Admission is $5 per student. How much money is needed for all the students to go to the museum?

_________ is needed for all the students to go to the museum.

20. A class is collecting pennies to raise money. They collect 64 rolls with 50 pennies in each roll the first week. If they collect that amount each week for 6 weeks, how many pennies will they have?

They will have ___________ pennies.

In dollars and cents, that number of pennies is ___________.

21. You are trying to read 200 pages in two weeks. If you read 12 pages from 3 books each day for two weeks will you reach your goal?

YES NO

In 2 weeks you will read _____ pages.

22. The soccer league is raising money for new uniforms. There are 4 teams with 16 players on each team. If the uniforms cost $24 each, how much money must the league raise for uniforms?

The league must raise ___________.

Which numbers correctly complete each sentence?

23. _______ × _______ = _______  24. _______ × _______ = _______

| 54 | 9 | 16 | 32 |
| 19 | 486 | 24 | 608 |
| 34 | 376 | 43 | 688 |

25. _______ × _______ × _______ = _______  26. _______ × _______ × _______ = _______

| 9 | 7 | 15 | 5 |
| 8 | 494 | 21 | 315 |
| 6 | 504 | 8 | 840 |