**Multiplication Fact Strategies** page 1 of 2

**Doubles Plus One Set Facts**

When 1 of the factors is 3, you can think about the Doubles fact, and then add one more set of the number being doubled. For example, $6 \times 3$ is 6 doubled (12) plus one more set of 6.

\[
\begin{array}{c}
3 \times 6 = 18 & (2 \times 6) + 6 & 12 + 6 = 18 \\
7 \times 3 = 21 & (7 \times 2) + 14 & 14 + 7 = 21 \\
\end{array}
\]

You can use this strategy with larger numbers, too:

\[
\begin{array}{c}
3 \times 25 = 75 & (2 \times 25) + 25 & 50 + 25 = 75 \\
150 \times 3 = 450 & (2 \times 150) + 150 & 300 + 150 = 450 \\
\end{array}
\]

1. Shade in the areas for:

\[
\begin{array}{c}
3 \times 5 = \_\_\_\_ & 3 \times 8 = \_\_\_\_ \\
\end{array}
\]

2. If you had 2 boxes of 8 crayons and your teacher gave you another box of 8 crayons, how many crayons would you have?

3. You bought 2 bags of 5 apples. You already had 1 bag of 5 apples at home. How many apples do you have in all?

4. Write a story problem for a Doubles Plus One Set ($\times 3$) fact.

*(continued on next page)*
**Multiplication Fact Strategies**

**Tens Facts**

5. Circle the groups of ten in the arrays below, and solve the equations.

- $7 	imes 10 = \underline{70}$
- $10 	imes 9 = \underline{90}$

When you understand place value, multiplying larger numbers by 10 can be easy, too.

- $10 	imes 25 = 250$
- $670 	imes 10 = 6700$

**Half-Tens Facts**

When one of the factors is 5, you can multiply the other factor by 10 and then divide the answer in half.

6. Fill in the blanks below.

- $5 \times 6 = \underline{30}$
- $6 \times 10 = 60$
- Half of 60 is $\underline{30}$

<table>
<thead>
<tr>
<th>$n$</th>
<th>$\times 10$</th>
<th>$\times 5$</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>3</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

7. Max had 6 dimes in his pocket. How much money did he have?

8. Jose had 7 nickels in his pocket. How much money did he have?

9. If Suzie bought 9 baskets with 5 large peaches in each basket, how many peaches did she buy?