Dear Family,

During the next few weeks, our math class will be learning about multiplying and dividing of whole numbers. We will also learn how to tell when a number is divisible by 2, 3, 4, 5, 6, 9, and 10 without actually completing the division.

You can expect to see homework that provides practice with multiplication and division.

Here is a sample of how your child was taught to multiply by a two-digit number.

### Multiply Two-Digit Numbers
This is how we will be multiplying by two-digit numbers.

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Step 2</th>
<th>Step 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiply by the ones digit.</td>
<td>Multiply by the tens digit.</td>
<td>Add the partial products.</td>
</tr>
</tbody>
</table>
| \[
\begin{array}{c}
12 \\
\times 25 \\
\hline
620 \leftarrow \text{partial product}
\end{array}
\] | \[
\begin{array}{c}
12 \\
\times 25 \\
\hline
620 \\
\hline
2480 \leftarrow \text{partial product}
\end{array}
\] | \[
\begin{array}{c}
12 \\
\times 25 \\
\hline
620 \\
\hline
2480 \\
\hline
3100 \leftarrow \text{product}
\end{array}
\] |

### Estimating to Check Multiplication
When estimation is used to check that a multiplication answer is reasonable, usually each factor is rounded to a multiple of 10 that has only one non-zero digit. Then mental math can be used to recall the basic fact product, and patterns can be used to determine the correct number of zeros in the estimate.

Have your child practice multiplication and division skills by estimating costs at a store where you buy more than one of an item or where items are priced at 3 for $15.

Sincerely,

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**Vocabulary**

- **factor** One of two or more numbers that are multiplied to give a product.
- **estimate** A number close to an exact amount. An estimate tells about how much or about how many.
- **divisible** One number is divisible by another if the quotient is a whole number and the remainder is 0. For example, 10 is divisible by 2, since \(10 \div 2 = 5\).
- **partial products** When you multiply a number in steps, each step results in a partial product.