



Family Letter for Unit 2

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.

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.

Multiply Two-Digit Numbers

This is how we will be multiplying by two-digit numbers.

Step 1	Step 2	Step 3
Multiply by the ones digit.	Multiply by the tens digit. Start by filling in a zero in the ones place.	Add the partial products.
$\begin{array}{r} 124 \\ \times 25 \\ \hline 620 \end{array} \leftarrow \text{partial product}$	$\begin{array}{r} 124 \\ \times 25 \\ \hline 620 \\ 2480 \end{array} \leftarrow \text{partial product}$	$\begin{array}{r} 124 \\ \times 25 \\ \hline 620 \\ 2480 \\ \hline 3,100 \end{array} \leftarrow \text{product}$

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,



Technology

Check out *Education Place* at eduplace.com/kids/mw/ for e•Glossary, e•Word Games, test prep practice, and more.