

Unit 3: Multiplication - Study Guide

Note to Parents: This is a study guide. A more detailed review will be done in class or as homework the week of the test.

SKILLS TESTED	SAMPLE PROBLEMS
<ul style="list-style-type: none"> Be able to solve multiplication problems with multiple digits. 	$\begin{array}{r} 509 \\ \times \quad 3 \\ \hline \end{array}$ $\begin{array}{r} 1,076 \\ \times \quad 8 \\ \hline \end{array}$
<ul style="list-style-type: none"> Be able to read word problems and decide what to do: add, subtract, or multiply. 	<p>Alex had 3 pack of pencils. Each pack contained a dozen pencils. How many pencils did Alex have?</p>
<ul style="list-style-type: none"> Know the 4 multiplication properties: Grouping or Associative property Order or Commutative property Zero property Property of One 	$4 \times 3 = \underline{\quad} \times 4$ $(a \times b) \times c = a \times (\underline{\quad} \times c)$ $800 \times \underline{\quad} = 800$ $35 \times 0 = \underline{\quad}$
<ul style="list-style-type: none"> Be able to find a pattern in numbers or shapes. 	<p>64, 56, 48, <u> </u>, <u> </u>, <u> </u>, <u> </u></p>
<ul style="list-style-type: none"> Be able to estimate to solve a problem. 	$\begin{array}{r} 1,712 \\ \times \quad 9 \\ \hline \end{array}$ $\begin{array}{r} 936 \\ \times \quad 4 \\ \hline \end{array}$
<ul style="list-style-type: none"> Know the estimating rule: Round both #'s to the highest place, unless it is single digit. 	
<ul style="list-style-type: none"> Know your fact families for multiplication. 	<p>Write the fact family for 24, 8, and 3.</p>

<ul style="list-style-type: none"> Be able to draw an array. <p>Remember row x column = product</p>	<p>Draw an array for 4×5</p>
<ul style="list-style-type: none"> Know what is a product and factors. <p>Hint: factor x factor = product</p>	<p>Write an <u>equation</u> with a product of 9.</p> <p>Write an <u>equation</u> with a factor of 11.</p>
<ul style="list-style-type: none"> Know the difference between a prime number and a composite. <p>Prime (1 x factor) Composite (many factors)</p>	<p>Circle all the prime numbers. Draw a square around the composite numbers.</p> <p>5 29 16 24 13 7</p> <p>3 30 81 19 21 14</p>
<ul style="list-style-type: none"> Be able to multiply by a multiple of 10. 	<p>$4000 \times 50 = \underline{\hspace{2cm}}$ $3 \times 80 = \underline{\hspace{2cm}}$</p> <p>$900 \times 10 = \underline{\hspace{2cm}}$ $12 \times 10 = \underline{\hspace{2cm}}$</p>
<ul style="list-style-type: none"> Be able to multiply using money. 	<p>$\\$32.45 \times 3 = \underline{\hspace{2cm}}$</p>
<ul style="list-style-type: none"> Be able to make a table to solve a problem. 	<p>Brandon had 5 packs of gum in his trick or treat bag. Each pack had 6 sticks of gum. If he had 2 more packs of gum, how many pieces would he have?</p>

More specific examples will be on the review page, which will come home Thursday, October 12th.

Test dates may vary by teacher depending on the readiness of the class. The earliest would be Friday, October 13th.

