Name:

Unit 1 - Numeracy Skills 1.3 - Multiplication & Division

Multiplication

When we multiply numbers together, we use the following procedure:

- 1. line up numbers starting from the *right* hand side
- 2. multiply the first two numbers on the right together
- 3. write the ones part of the number below the line
- 4. carry the *tens* part of the number to the top of the next column
- 5. multiply the next two numbers together and then add on the carried number, etc.
- 6. remember to insert a **ZERO** to start the second row and repeat steps 1 to 5
- 7. add the two rows together to come up with the final answer

Try the following:

2.
$$47 \times 24$$

Division

We need to know our multiplication facts in order to be able to divide numbers. Use the following procedure when dividing two numbers:

- 1. put the number **AFTER** the \div symbol on the **OUTSIDE** of the division bracket.
- 2. put the number **BEFORE** the \div symbol on the **INSIDE** of the division bracket.
- 3. determine how many times the OUTSIDE number goes into the INSIDE number starting with the digits from the *left* side of the INSIDE number

NOTE: you may sometimes have to use groups of two digits from the INSIDE number.

- 4. subtract the numbers from each other.
- 5. Bring down the next digit from the INSIDE number and repeat steps #3 and #4
- 6. continue until you cannot bring down any more digits from the INSIDE number

Examples: 479 ÷ 3	3)479	$2493 \div 7$ $7)2493$
3 <i>Times Table</i> 3 × 1 = 3	<u>-3</u> 17	$ \frac{-21}{39} \qquad \begin{array}{c} 7 \text{ Times } Tab \\ 7 \times 1 = 7 \end{array} $
$3 \times 2 = 6$ $3 \times 3 = 9$ $3 \times 4 = 12$	<u>–15</u> 29	$ \begin{array}{c} -35 \\ 43 \end{array} \qquad \begin{array}{c} 7 \times 2 = 14 \\ 7 \times 3 = 21 \\ 7 \times 4 = 28 \end{array} $
$3 \times 5 = 15$ $3 \times 6 = 18$	<u>-27</u> 2	$ \begin{array}{c} -42 \\ \hline $
$3 \times 7 = 21$ $3 \times 8 = 24$ $3 \times 9 = 27$	2	$ 7 \times 7 = 49 \\ 7 \times 8 = 56 \\ 7 \times 9 = 63 $

Try the following:

2.
$$6104 \div 4$$

3.
$$1937 \div 6$$

Assignment

1. Multiply the following:

2. Divide the following:

a.
$$4)5823$$
 b. $7)9843$ c. $9)2873$ d. $6)5196$

d.
$$6)5196$$