October 17, 2018

Dear Parents and Students,

 Throughout the next four weeks, we are going to be working on using partial products/expanded form to solve 3 digit by 1 digit multiplication problems. Students will take a pretest on partial products/expanded form first. They will be using models to form equations in order to help them solve multiplication equations. Please see examples below. Following this, they will complete several activities to practice using partial products/expanded form. In addition, there will be a mid-point check to see how they are progressing. After all review activities are complete, students will retake the pretest as a posttest. This will be their final grade on using partial products.

 I have listed below several websites below to help students at home. All of the links are also posted on my website. If you have any questions, please do call or email.

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Fourth Grade Teacher

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**PARTIAL PRODUCTS/EXPANDED FORM EXAMPLE:**

4 x 357 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**MODEL:**

 **300 50 7**

|  |  |  |  |
| --- | --- | --- | --- |
| **4 x** |  1,200 |  200 |  28 |

**EQUATION: 1,200 + 200 + 28 = 1, 428**

WEBSITES:

[www.iknowit.com](http://www.iknowit.com)

[www.mathantics.com](http://www.mathantics.com)

[www.adaptedmind.com](http://www.adaptedmind.com)

[www.thinkcentral.com](http://www.thinkcentral.com)