

## Partial Products Multiplication - Educational Math App for iPhone

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Independent developer Esa Helttula today released Partial Products Multiplication 1.0, a new educational math app for iPhone and iPod touch. Partial Products Multiplication can be used to teach and study the partial products method. It allows the user to solve multiplication problems step by step and animates all the steps. Partial Products Multiplication is easy to use and it has an intuitive interface with customizable colors and other settings.

Espoo, Finland - Independent developer Esa Helttula today is pleased to announce the release of Partial Products Multiplication 1.0, a new educational math app for iPhone and iPod touch. The app can be used to teach and study the partial products multiplication method.

### The Partial Products Multiplication Method

The partial products multiplication method is a two-step process. In the example  $39 \times 24$ , each place value is first multiplied separately. The partial products are added and  $36 + 120 + 180 + 600$  produces the answer 936. Many children find the partial products method easier to understand than the standard algorithm.

In the Everyday Mathematics curriculum the partial products method is the focus algorithm for multiplication.

### The Everyday Mathematics Curriculum

Everyday Mathematics is a new mathematics curriculum developed by the University of Chicago School Mathematics Project. In the United States over 3 million students in 185,000 classrooms are currently using Everyday Mathematics. Parents may find it hard to help their children with the "new math" and apps like the Partial Products Multiplication can help both children and parents.

### The Interface Supports Learning

If the user presses the wrong button the answer will appear above the keyboard but it will not move. "Because no wrong entries are allowed the app provides a passive form of positive reinforcement and your child will likely improve in both confidence and competence with respect to the procedure", said assistant professor of mathematics education Tim Pelton in his review of Column Subtraction, a sister app of Partial Products Multiplication that uses the same kind of input method.

### The App is Easy to Use

The numbers are aligned automatically so that the user can concentrate on solving the operations for each column. After you solve the operation for each partial product the correct answer will fly to the right place. If you press the wrong button the answer will appear above the keyboard but it will not move.

Difficulty can be set with Settings:

- \* Each number can have from 2 to 3 digits
- \* The current operation can be hidden
- \* The operands of the current operation can be highlighted
- \* Colors of the interface can be changed
- \* The speed of the animations can be set

Device Requirements:

- \* iPhone and iPod touch
- \* Requires iPhone OS 3.0 or later
- \* 0.4 MB

Pricing and Availability:

Partial Products Multiplication 1.0 is only \$0.99 USD (or equivalent amount in other currencies) and available worldwide exclusively through the App Store in the Education category. This is a new app in a series of eight popular educational Everyday math apps for iPhone. Esa Helttula's traditional mathematics apps include Long Division, Long Multiplication, Column Addition and Column Subtraction.

Partial Products Multiplication 1.0:

[http://idevbooks.com/apps/partial\\_products.php](http://idevbooks.com/apps/partial_products.php)

Purchase and Download:

<http://itunes.apple.com/us/app/partial-products-multiplication/id351024135?mt=8>

YouTube Video:

<http://www.youtube.com/watch?v=SUILPAhY254&feature=channel>

Other Everyday Math Apps:

[http://idevbooks.com/apps/index\\_everyday.php](http://idevbooks.com/apps/index_everyday.php)

Esa Helttula is an independent developer in Espoo, Finland. He has been an algorithm visualization researcher at the university of Tampere. Currently he is interested in making mathematics more fun and easy with the use of technology and develops critically acclaimed educational math apps for iPhone and iPod touch. Copyright (C) 2010 Esa Helttula. All Rights Reserved. Apple, the Apple logo, iPhone and iPod are registered trademarks of Apple Inc. in the U.S. and/or other countries.

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Link To Article: <https://prmac.com/release-id-12000.htm>

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