

Visual

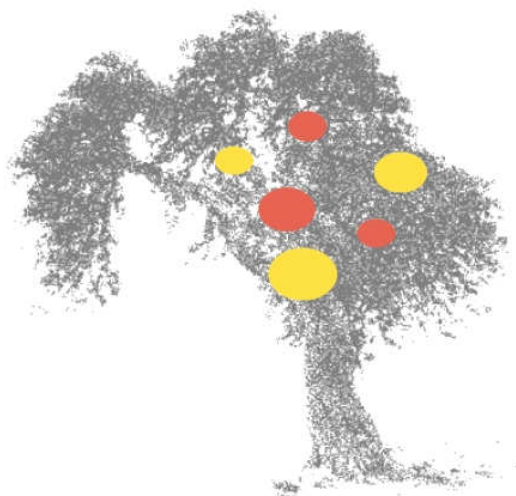


The measure of $\angle\theta = 45.0^\circ$

Math Vocabulary

for the NOVA5000

User's Guide



www.mathresources.com

MathResources Inc.

5516 Spring Garden Road
Suite 312
Halifax, Nova Scotia
Canada
B3J 1G6

1-902-429-1323 (Phone)
1-800-720-1323 (Toll Free in North America)
1-902-492-7101 (Fax)
support@mathresources.com (Email)

<http://www.mathresources.com>

Visual Math Vocabulary
for the NOVA5000

User's Guide

© Copyright 2006. MathResources Inc. All rights reserved. No part of this publication may be reproduced or distributed in any form or by any means, or stored in a database or retrieval system, without the prior written consent of the copyright holder.

MathResources Inc. acknowledges all trademarks and registered trademarks in this document.

Printed in Canada

ISBN 1-896977-39-1

18-05-2006

Table of Contents

INTRODUCTION.....	3
THE INDEX & ENTRY FRAMES	3
MENUS	4
FILE MENU.....	4
EDIT MENU.....	4
NAVIGATE MENU.....	5
FINDING ENTRIES	5
SEARCHING BY KEY WORD.....	5
RETURNING TO PREVIOUS SEARCHES	6
THE ARROW BUTTONS.....	6
THE ENTRY FRAME	7
GRAPHICS	7
SOUND	7
HYPERTEXT LINKS	7
TROUBLE SHOOTING	8
CONTACTING MATHRESOURCES INC.....	8
COPYRIGHTS AND TRADEMARKS	8

Introduction

Visual Math Vocabulary is a database of approximately 1,100 math terms and definitions. It has been designed with you, the user, in mind. Whether you are a teacher using it in a classroom, or a student using it at home, you can quickly and easily navigate your way around *Visual Math Vocabulary* and learn to use its features.

Most people are familiar with dictionaries and how to use them. The terms are all listed in alphabetical order. *Visual Math Vocabulary's* database is organized in a dictionary like manner. If you do not want to use the entire database at one time, you can select a subset of the terms. These subsets organize the database into topics such as arithmetic, algebra, geometry, measurement, number theory, reasoning, statistics and trigonometry, essentially creating mini-dictionaries in each of these areas.

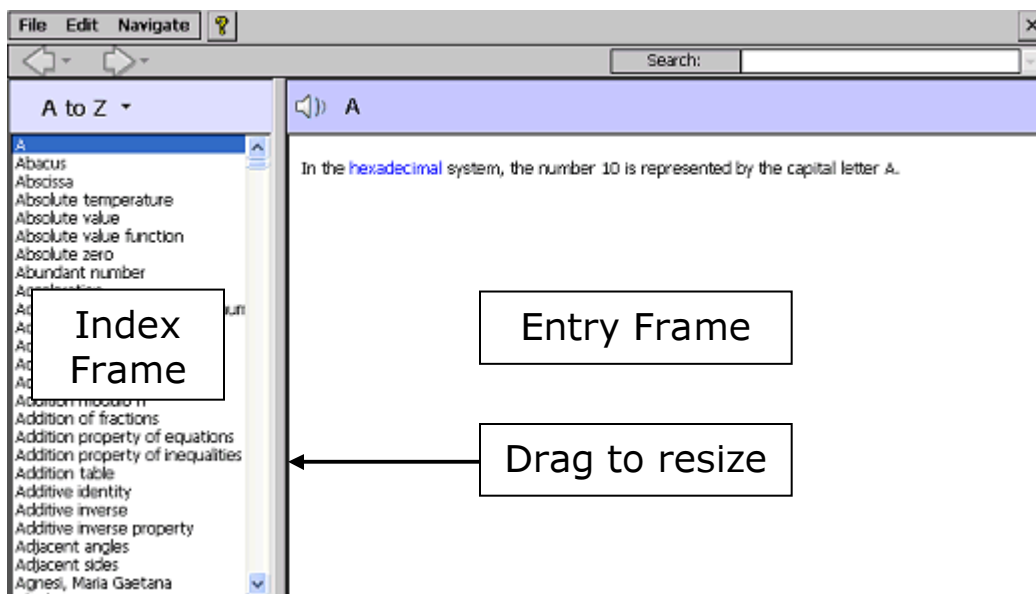
Visual Math Vocabulary has much more to offer than a typical paper dictionary. It goes beyond just a listing of the terms and definitions. Entries are enhanced with graphics examples and sound files of the correct pronunciation of the terms. These features reinforce the entry being viewed.

The Index & Entry Frames

The *Inside Math* window has two frames:

- The **A to Z Alphabetical Index** is located on the left had side of the screen and provides a complete listing of all the entries in the database
- The **Entry Frame** on the right displays the definition of the term selected in the **Index** as well as any graphics and examples used to illustrate that term

When launched, the program always opens to the first entry in the **Index Frame**, A.



Both the **A - Z Index** and the **Entry Frame** can be resized by dragging the border between them. You can make the entry frame the entire size of the screen simply by dragging it all the way to the left.

Menus

The menus are found in the top left hand side of the screen. The three menus are **File**, **Edit & Navigate**. They allow for simple navigation throughout the entire database of entries.

File Menu

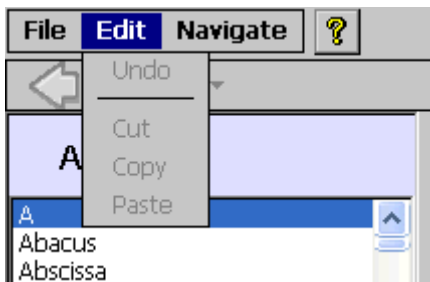
To exit *Visual Math Vocabulary* and unload it from memory, tap **Exit** from the **File** menu.



You can also close *Visual Math Vocabulary* by tapping the **x** at the top right hand corner of the screen.

Edit Menu

Use the **Edit Menu** options to **Cut**, **Copy** & **Paste** terms into and out of the **search field**.



Undo – Reverses the last action taken in the Search Field.

Cut – Cuts the highlighted selection in the Search field and puts it on the clipboard.

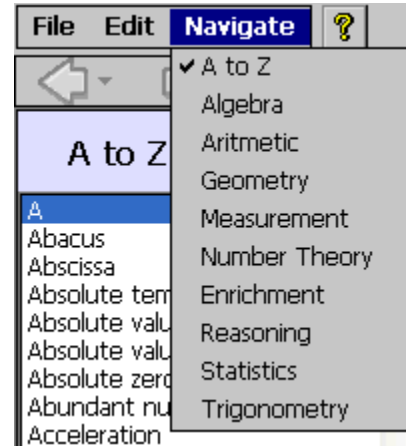
Copy – Copies the highlighted selection in the Search field and puts it on the clipboard.

Paste – Inserts clipboard contents into the Search field at the selection point.

Navigate Menu

Select a subject from the **Navigate Menu** to fill the **Index Frame** with terms from that subject only.

Once you have chosen a topic, select **A to Z** to once again see all entries in the **Index Frame**.



Finding Entries

As you know you can scroll through the entire **A – Z Index** looking for a particular term. However, with over 1100 entries in the database this may not be the most efficient way of searching for the information you want.

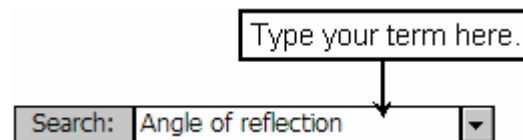
There are other ways to search for vocabulary terms. One is to type the term in the **Search Field** in the top right corner. Another is to use the **Navigate Menu** to select a specific subject to display in the **Index Frame**.

Also, within a definition, **Hypertext Links** can connect instantly connect you to related terms (see **Hypertext Links** page 8). Web browser-like Arrow Buttons also let you easily go back and forth between terms you have already viewed.

These features make it easy for you to find terms and navigate database.

Searching by Key Word

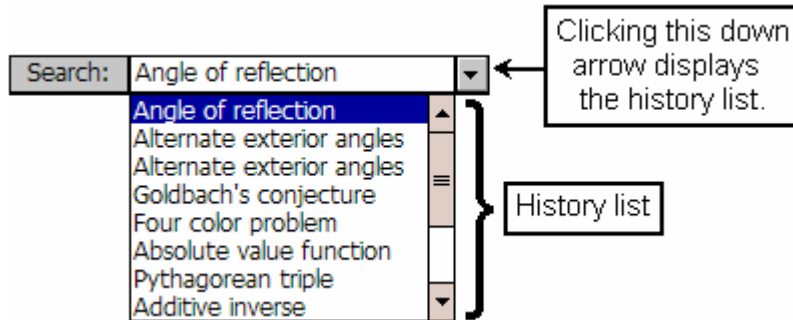
The **Search field** is located at the top of the screen. To use it, simply tap inside the search field with your stylus. This action automatically opens the keyboard window along the bottom.



1. Tap on the search box. This ensures that the term you type is placed in the box.
2. Type the term you are searching for, or its first few letters. Notice that as you type in the search box, the words in the index change.
3. Hit the enter key. *Visual Math Vocabulary* finds the term or its closest match and displays the definition. You may also tap on the term to open it.

Returning to Previous Searches

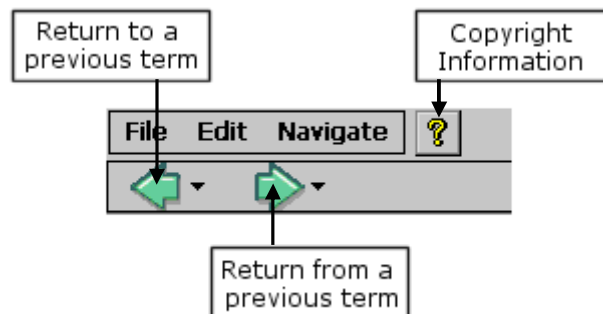
You can also search for a word by backtracking through the **History List** of terms you have already looked up. If you tap on the down-arrow at the end of the search box, a list of terms that you have looked up in the current session is displayed. Tap on one of the words to see its definition.



Note: When you choose the term you want from the history list, and then continue looking up other terms and definitions, a new history list is created from this point on.

The Arrow Buttons

Use the Arrow Buttons in the top left hand corner of the screen to return to entries you have previously viewed. These buttons work in much the same way as the Forward and Back buttons on your web browser.



The Entry Frame


As mentioned earlier, when a selection is made from the **Index Frame**, the selected term's definition is displayed in the **Entry Frame**. This definition may contain graphics, sound and hyperlinks to other definitions.

Graphics

Many definitions in *Visual Math Vocabulary* have graphics to help explain important ideas in greater detail. These graphics appear in the definition view along with the definition of the term.

Sound



Tap on the  button to the left of the definition name to hear the proper pronunciation of the term.

Hypertext Links


Sometimes definitions include vocabulary terms that students have forgotten or not yet learned. *Visual Math Vocabulary* definitions include **Hypertext Links** connecting these terms to their definitions. (See graphic below). These linked terms are blue just like links in a web browser.



A [polyhedron](#) with two [congruent](#) parallel [faces](#) called [bases](#). The [lateral faces](#) are [parallelograms](#) formed by joining the [vertices](#) of the bases. The base is a [polygon](#), such as a [triangle](#), [rectangle](#), or [hexagon](#).

Using a Hypertext Link

1. Position the stylus over the blue colored text.
2. Tap on the blue text. The new term is now displayed in the **Entry Frame**.

Note: After tapping a hypertext link, you can go back to the previous definition by tapping the left arrow  button in the top left corner of the screen.

Trouble Shooting

Problems with *Visual Math Vocabulary* for the NOVA5000?

If you experience any difficulties with *Visual Math Vocabulary*, with the installation or the running of any part of the program, please, contact our web site immediately. As we are made aware of any problems users of *Visual Math Vocabulary* are experiencing, we will put this information on our web site along with our solution.

You can find our web site at www.mathresources.com.

Contacting MathResources Inc.

We would love to hear from you. If you have any comments and/or suggestions about *Visual Math Vocabulary* or this User's Guide or if you have some great ideas about other products that you would like to see, please, let us know. Your feedback will help us improve on our current products and help us create better ones in the future.

You can reach us in the following ways:

- Email: support@mathresources.com
- Visit our web site at www.mathresources.com
- Call us at: 1-800-720-1323 (within North America) OR 1-902-429-1323
- Fax us at: 1-902-492-7101

Copyrights and Trademarks

Visual Math Vocabulary is a registered trademark (pending) of MathResources Inc.

Windows and WindowsCE are registered trademarks of Microsoft Corporation.

NOVA5000 is a registered trademark of Fourier Systems.

The User's Guide to Visual Math Vocabulary and *Visual Math Vocabulary* are copyright of MathResources Inc.

No part of this manual or *Visual Math Vocabulary* may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, for any purpose, without the express written permission of MathResources Incorporated.