



“I Don’t Get It!”

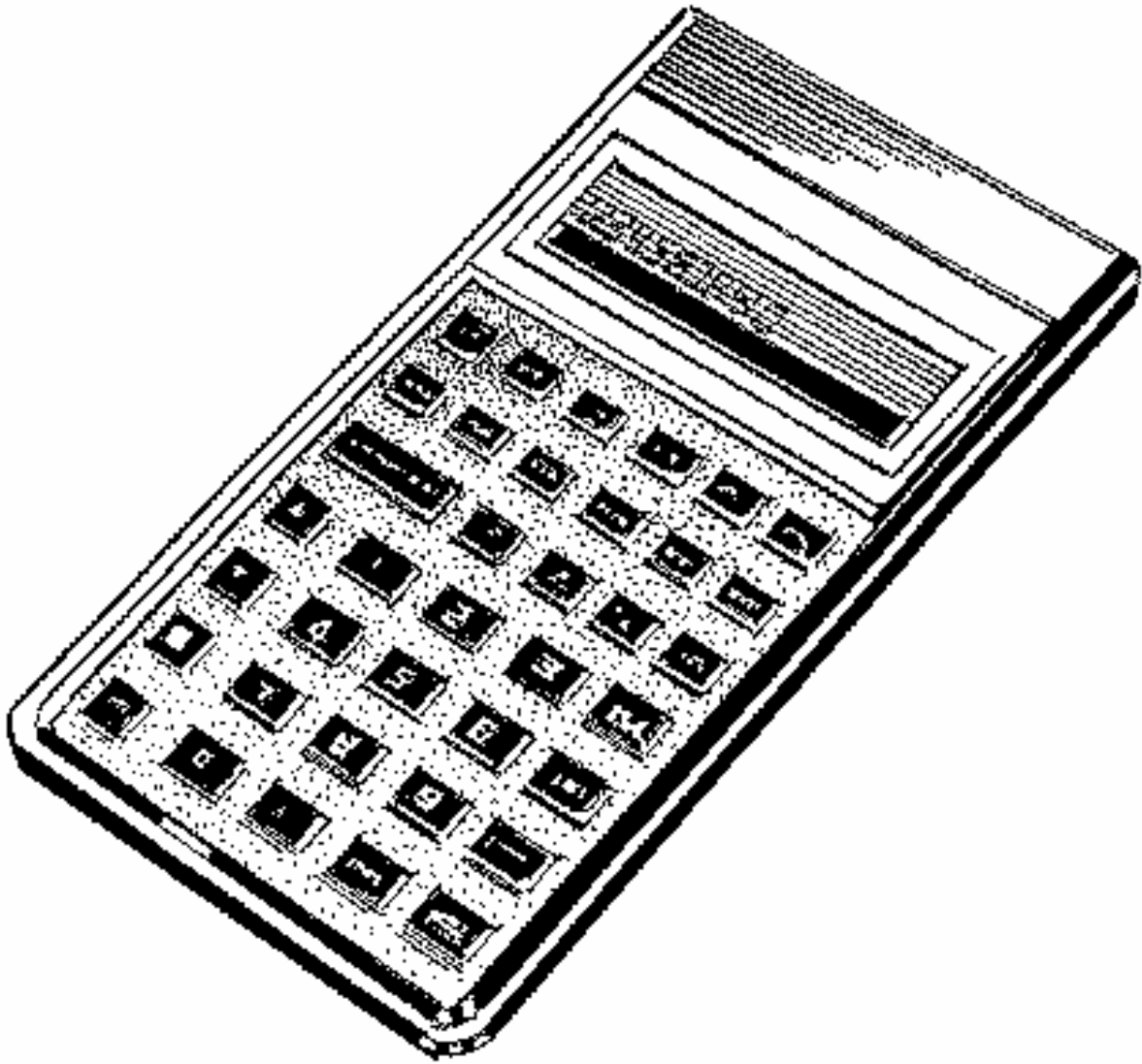
**The Middle School Math
Dictionary and
Instruction Manual**

By Nancy L. Wilkinson



“I Don’t Get It!”

Decimals



Subject Area	Word	Definition
Decimal	Base	<p><u>The number that is being multiplied with an exponent</u></p> <p>The expression 2^3 means $2 \cdot 2 \cdot 2$; 2 is the base.</p>
Decimal	Front-end Estimation	<p><u>A way of estimating a decimal math problem</u></p> <p>How to do front-end estimation: Example: $\begin{array}{r} 2.39 \\ + 1.87 \\ \hline \end{array}$</p> <p>1) Add the front-end digits; $2 + 1 = 3$</p> <p>2) Adjust the estimate by estimating the sum of the decimals: $.39 = .4$ and $.87 = .9$. $.4 + .9 = 1.3$.</p> <p>3) Add the sum of the front-end digits to the sum of the decimals. $3 + 1.3 = 4.3$</p>
Decimal	Repeating Decimal	<p><u>A decimal in which a digit or a sequence of digits keeps repeating</u></p> <p>Example: $1 \div 3 = .33333333.....$</p>
Decimal	Round	<p><u>To make a decimal or number easier to read</u></p> <p>How to round a decimal.</p> <p>1) Look at the digit to the right of the place you are going to round. For example if you were going to round to the nearest hundredth, you would look at the thousandths place. $.00983$</p> <p>2) If the number is 5 or greater, you would add 1 to the place you are going to round. In this example, you would add one to 0 to get $.01$.</p> <p>3) If the number is less than 5, you would leave the place you are going to round alone and just truncate the number. For example: $.0321$ rounded to the nearest hundredth would be $.03$ because 2 is less than 5.</p>
Decimal	Standard Form	<p><u>The form that you write a number using only digits</u></p> <p>For example: 1,245,684 is written in standard form. There are not any words used.</p>
Decimal	Terminating Decimal	<p><u>A decimal that stops or terminates</u></p> <p>Example: $1 \div 4 = .25$</p>

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Subject Area	Word	Definition
Decimals	Equivalent Decimals	<u>Two decimals that are the same amount</u> For example: .55 and .550 are equivalent decimals. It does not matter how many zeros you put after the end of the decimal point. It is the same decimal.