

Tell them that this is a table and that they should review the terms.

A **field** is a one spot in a table. Have the students place the word *field* in two or three spots.

Columns

Rows

	<i>field</i>						
					<i>field</i>		
			<i>field</i>				

In the diagram above, the vertically highlighted area represent a column and horizontally highlighted area represent a row.

A **field** = data = some value

Columns

Rows

	<i>field</i>						
					<i>field</i>		
			<i>field</i>				
<i>A</i>		<i>R</i>	<i>e</i>	<i>c</i>	<i>o</i>	<i>r</i>	<i>d</i>

Have the students update their notes as above.

A **record** is a group of fields across one row.

Have the students create an example of a table/database that holds all the records of a report card. (*This is the time for you to check that the students have understood the lesson. You may have to pull aside a few students and reteach the concepts at this point.*)

Collect all the examples and explain the relationships between the information that they just created. Every student database has common items, for example:

- Everyone has a name.
- Everyone has the same class (i.e., “DATABASE 101”).
- Everyone has a teacher’s name.

Introduce a **variable**. *Teacher Name* is a variable or label, and all the teachers’ names would be in one column, and all the students’ names would go in another column.

Teacher Student Student Grade Section

Name ID Name Number

<i>smith</i>							
<i>Jones</i>	<i>field</i>						
<i>Johnson</i>					<i>field</i>		
			<i>field</i>				
<i>A</i>		<i>R</i>	<i>e</i>	<i>c</i>	<i>o</i>	<i>r</i>	<i>d</i>

You may need to reinforce this concept with additional work, but once students understand this, they are ready to start the review of section 1.2.

Define these terms from the presentation.

Field - A field is one spot in a table.

Column - A column is a group of items that are listed up and down (that is, vertically).

Row - A row is a group of items that are listed across—left to right (that is, horizontally).

Record - A record is a group of fields across one row.

Table - A table is a group of rows and columns.

Variable - A variable name is the label that we give to a column.