Database Design Template

Table Name: Student

Rows:

 studentID: an integer value that ties a students' name to their score. Not needed on our programs. Primary key

 firstName: the students' first name.

 lastName: the students' last name.

Table Name: Questions

Rows:

 questionID: the ID of the question, not needed on the programs. Primary key.

 questionType: this column will either hold place or add.sub to identify what type of question this is.

 leftNum: for addition and subtraction problems this will be the number displayed on the left side of the operator.

 rightNum: for addition and subtraction problems this will be the number displayed on the right side of the operator.

 operator: for addition and subtraction problems this will either be an addition sign or a subtraction sign, + or -.

 number: for questions to identify the ones, tens, or hundreds place this will be the number the student has to identify which place a number is.

 place: this will either be a string with "ones", "tens", or "hundreds" in it to signify what place the student will need to identify.

 answer: for either type of question this will be the expected answer from the student.

Table Name: Results

Rows:

 resultID: the ID of this result, not needed on our programs. Primary key.

 studentID: the ID of the student who received this result. Foreign key to the student table.

 score: the percentage that the student received on this attempt.