

Overview

Purpose: To provide test participation data and measures of central tendency for all tests taken within the class

Features: The Score Analysis Report displays this data:

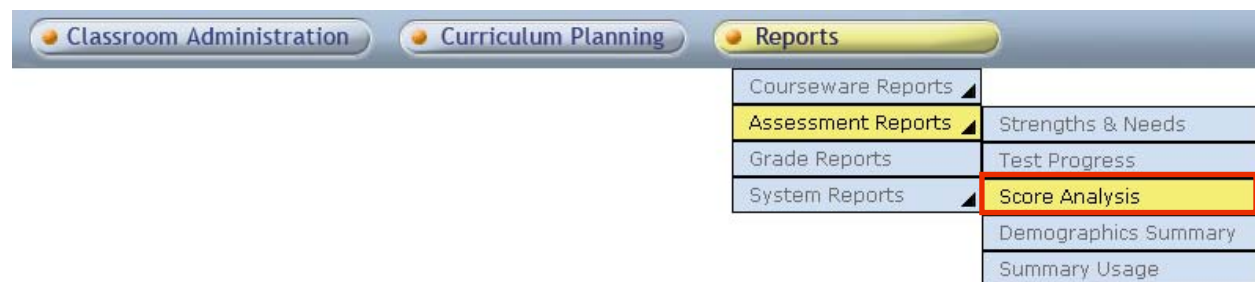
- Total number of learners assigned within the class
- Participation data displayed by class
- Total number of completed tests
- Total number of tests in progress
- Total number of tests not started
- Measures of central tendency (mean, median, mode, standard deviation, and range) on one test for an entire class

Usage: Use the Score Analysis Report to

- track completion and test participation at a class level;
- identify the mean, or average, score of each learner on a test;
- determine the number of learners who completed the test;
- see the percentage of assigned students who have contributed to the aggregate score.

Generate: Monthly, or in conjunction with testing sessions

Generating Your Score Analysis Report



1. From the **Reports** drop-down menu on your **Home** page, point to **Assessment Reports**.
2. Select **Score Analysis**.

Classroom Administration Curriculum Planning Reports

Reports Assessment Report: Score Analysis Level: Class

School: School A

Class: Math Class 1

Test: 8th Grade California Mathematics Benchmark Test 2003-2004 Look Up...

Go

C = Class is scheduled for Closeout

3. Select a **Level** (Class).
4. Select a **School** and a **Class**.
5. Click the **Look Up** button.



Remember...

The report will generate data for only one test at a time.

Look Up Test

View Assessment Report: By Assignments

Date Range: By Tests to [] []

By Assignments

Go

6. In the **View Assessment Report** field, select either **By Tests** or **By Assignments**.
7. Click the calendars to choose a **Date Range**.
8. Click **Go**.

Look Up Test Assignments View

Look Up Test

View Assessment Report:

Date Range: to

Assignments	Start Date	Due Date
<input type="checkbox"/> 8th Grade California Mathematics Benchmark Test 2003-2004 (Version 3)_2 <input type="radio"/> 8th Grade California Mathematics Benchmark Test 2003-2004 (Version 3)	01/02/2008	01/31/2008
<input type="checkbox"/> PLATO Course Algebra 1, Semester A v2.0_1 CR <input type="radio"/> End of Semester Test - Algebra 1A <input type="radio"/> Pretest - Unit 1 <input type="radio"/> Posttest - Unit 1 <input type="radio"/> Pretest - Unit 2	12/12/2007	01/31/2008

9. Select one **Assignment** (or one **Test**).
10. Click **OK**.
11. Click **Go** to generate your report.

Understanding Your Score Analysis Report

Assessment Report: Score Analysis (Class Level)

Display: Summary View by Assignments **1**

Account	Account 1
PlatoName	Teacher 1
School	School A
Class	Math Class 1
Assignment	8th Grade California Mathematics Benchmark Test 2003-2004 (Version 3)_2
Test	8th Grade California Mathematics Benchmark Test 2003-2004 (Version 3)

Student Count by Class (Number of Students Participating in the Test)				
3 Classroom	4 Total Students	5 Completed	6 In Progress	7 Not Started
Math Class 1	20	15	0	5

9 Measures of Central Tendency	8 Score
Arithmetic Mean Score The arithmetic mean of a set of values is the sum of all values, divided by the number of values.	27%
Median Score The median is the middle value of a list of the arithmetic mean of the two middle values.	26%
Mode Score The Mode is the most commonly occurring value or values in a set of values.	23%
Standard Deviation The statistical measurement of dispersion about an average.	11
Range Score The range of a list is the largest value in the set minus the smallest value in the set.	31% (11%-42%)

Sample report

Report Key

View By Assignment or By Test

- 1** **Display:** Indicates how data is displayed
- 2** **Report Summary (includes Account, PLATOName, School, Class, Assignment, and Test):** The search criteria on which the report is based
- 3** **Classroom:** The same as Class
- 4** **Total Students:** The total number of students participating in the test
- 5** **Completed:** The total number of students who completed the test
- 6** **In Progress:** The total number of students with a test in progress
- 7** **Not Started:** The total number of students who have not started the test

- 8 Score:** All items on completed tests contribute to the measures of central tendency scores.
- 9 Measures of Central Tendency:** Mean, median, mode, standard deviation, and range (See the *Understanding the Measures of Central Tendency Data* chart for more information.)

Understanding the Measures of Central Tendency Data

Measures of Central Tendency	Score
Arithmetic Mean Score The arithmetic mean of a set of values is the sum of all values, divided by the number of values.	a 27%
Median Score The median is the middle value of a list of the arithmetic mean of the two middle values.	b 26%
Mode Score The Mode is the most commonly occurring value or values in a set of values.	c 23%
Standard Deviation The statistical measurement of dispersion about an average.	d 11
Range Score The range of a list is the largest value in the set minus the smallest value in the set.	e 31% (11%-42%)

- a Arithmetic Mean Score:** The total of all student scores divided by the number of students taking the test; the score shows the average level of proficiency. A low mean score could indicate that the class is struggling on the concepts covered in the test.
- b Median Score:** Gives the middle score when the data is ranked from lowest to highest; the median score allows you to determine if a few very high or very low scores are affecting the mean.
- c Mode Score:** Gives an accurate sense of where the class as a whole is performing despite a few outlying scores
- d Standard Deviation:** Gives a sense of which sets of test scores are more stable or consistent than others; a large standard deviation indicates more variability in the data, while a small standard deviation indicates that students performed similarly to one another.
- e Range Score:** Gives a sense of the total spectrum of levels of understanding that an individual teacher is addressing in the classroom



Quick Tip

Low numbers of test completion on this report may alert teachers to look at the **Summary Usage Assessment Report** to see which students are on track for completion.

Getting the Most from Your Data

The data from this report will help you monitor how the class as a whole is performing on specific tests. Here are some usage implications:

- By looking at the number of students who have not started tests or who have tests in progress, you can see if students or classes are on track for completion of benchmark tests within the desired timeframe.
- By looking at the **Measures of Central Tendency**, you can determine the most common scores, mid-point scores, and average levels of proficiency to establish a need for concept review.
- Look at the **Range Score** to determine the spread across student scores. A short range is ideal, but if it is scattered, it may indicate inconsistencies in how students are learning.
- If the test is narrow in scope (i.e., a unit test), you can target students with low test scores and establish an alternate approach to teaching the concept(s).