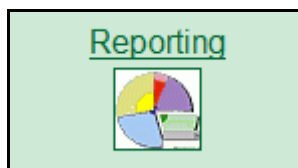


State Standards Report


The State Standards Report analyzes the current progress of the class in terms of the strands and sub-strands of the applicable state standards.

To view the State Standards Report, first select the class you would like to view and click on the Reporting box to the left.



Next, click on the "State standards report" link.

Reporting

 [Print](#)

9th Grade Math 121 / Algebra 1

Please choose one of the following reports.

Class Report:

- **California standards report:** Mastery in terms of California standards.
- **Learning progress since latest assessment:** Quick snapshot of each student's latest progress in learning mode.
- **Detailed progress history:** Complete snapshot of each student's progress both in learning mode and in assessment mode over a period of time.
- **Overall progress in assessment:** Compares each student's first and latest assessment results.
- **Scheduled assessment report:** Complete snapshot of the students' results on a previously scheduled assessment.
- **Average report (pie chart):** Average of the pie charts of all students in the class.
- **Scheduled assessment report (pie chart):** Average of the pie charts of students on a previously scheduled assessment.
- **Quiz results for all students.**
- **Time and Topic report for all students.**

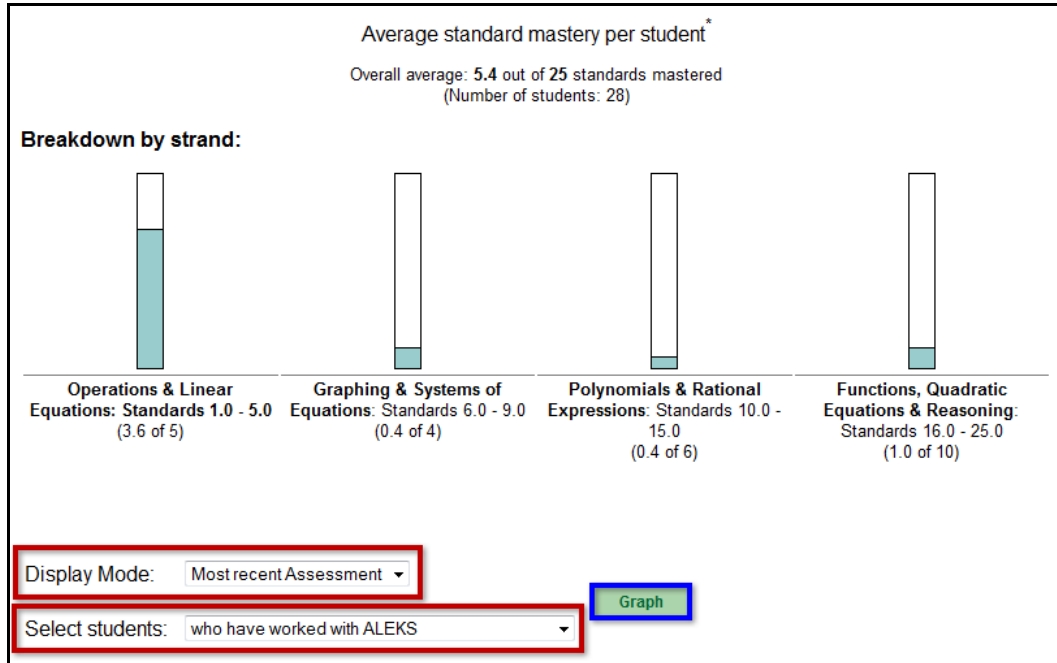
Individual Report:

- **California standards report for a single student:** Describes a student's knowledge in terms of California standards.
- **Progress report for a single student in this class:** Complete snapshot of a student's progress.
- **Report for a single student in this class (pie chart):** Pie chart of this student in this class.
- **Quiz result for a particular student.**
- **Time and Topic report for a particular student.**

Each strand has a vertical bar graph that shows the mastery of that strand as measured by ALEKS. The numbers beneath each bar indicate the proportion of sub-standards under that strand that have been met by the students.

The drop-down options appearing beneath the bars allow you to choose:

- How the students' mastery of items will be determined: by initial assessment, by most recent assessment, or by most recent work in the Learning Mode.
- Which students will be used to calculate levels of achievement: all students in the class or students who have spent certain amounts of time (10, 20, 40, or 60 hours) using their ALEKS accounts.



Complete detail on standards-based achievement for your class is available under the “Breakdown by standard” section. A list of sub-standards and their corresponding ALEKS topics, along with the current percentage mastery, is provided. To view a list of which of your students have mastered a sub-strand, click on a percentage mastery percent.

Breakdown by standard: (You can switch this to [Breakdown by student](#).)

Operations & Linear Equations: Standards 1.0 - 5.0 (3.6 out of 5 standards mastered)	
1.0: Students identify and use arithmetic properties of real numbers	100% mastery
2.0: Students understand and use operations and exponent properties	82% mastery
3.0: Students solve absolute value equations and inequalities	82% mastery
4.0: Students simplify expressions to solve equations and inequalities	46% mastery
5.0: Students solve multistep equations and inequalities in one variable	46% mastery
Graphing & Systems of Equations: Standards 6.0 - 9.0 (0.4 out of 4 standards mastered)	
6.0: Students graph linear equations and regions defined by inequalities	25% mastery
7.0: Students verify points lie on a line and derive linear equations	10% mastery

To see the ALEKS topics that corresponds with the standard, click on the “ALEKS topics” link.

Breakdown by standard: (You can switch this to [Breakdown by student.](#))

Number Sense (5.9 out of 12 standards mastered)

NS1.1: Read, write, and compare rational numbers in scientific notation (positive and negative powers of 10), compare rational numbers in general. [74% mastery](#)

There are [4 ALEKS topics](#) that correspond to this standard.

The mastery criterion is currently set at 50%. So a student is considered to have mastered this standard when she has mastered at least 2 of these 4 ALEKS topics.

20 students out of 27 (74%) have mastered at least 2 of these 4 ALEKS topics.

- Anderson, J. B. (3 topics)
- Black, Carlos E. (3 topics)
- Browning, Keith L. (4 topics)
- Chang, Jose A. (3 topics)
- Davis, Carlos (3 topics)
- Davis, Joel (3 topics)
- Ellison, Bill (3 topics)
- Hard, Tracy P. (3 topics)
- Hoffman, Bart T. (3 topics)
- Hoffman, Jennifer (4 topics)

There are [4 ALEKS topics](#) that correspond to this standard.

- [Plotting rational numbers on a number line](#)
- [Ordering fractions and decimals](#)
- [Scientific notation with positive exponent](#)
- [Scientific notation with negative exponent](#)

You can view a sample problem from the list of ALEKS topics by clicking on the topic name. In the sample problem, a question is presented as it is to the student within the blue box. All of the information below the blue box is what the student would see if they click on the “Explain” button.

Absolute value of a number

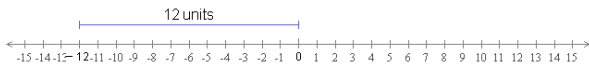
Evaluate the following.

$$|-12| =$$
$$|15| =$$

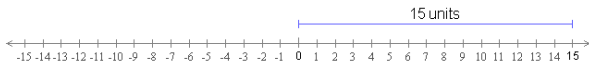
The marks $| |$ around a number indicate the absolute value of the number.

The absolute value of a number is its distance from 0 on the number line.

- $|-12| = 12$



- $|15| = 15$



Here is the answer.

$$|-12| = 12$$
$$|15| = 15$$

You can also click on the “Breakdown by student” link to see a detailed list organized by student name, rather than by standard. To view the sub-stands that have or have not been mastered, click on the student’s mastery percentage.

Breakdown by standard: (You can switch this to [Breakdown by student.](#))

Operations & Linear Equations: Standards 1.0 - 5.0 (3.6 out of 5 standards mastered)

- 1.0: Students identify and use arithmetic properties of real numbers [100% mastery](#)
- 2.0: Students understand and use operations and exponent properties [82% mastery](#)

Breakdown by student: (You can switch this to [Breakdown by standard.](#))

Alberti, Bart C. (27.7 hours)	10% mastery
Anderson, Jill B. (64.1 hours)	30% mastery

Using the mastery criterion of 50%, this student has mastered 12 standards out of 40 (30%).

Standards Mastered:

- 1.1a: Represent equivalent positive rational and irrational numbers (11 out of 12 topics)
- 1.2a: Order integers and rational numbers expressed in various ways (8 out of 8 topics)
- 1.3a: Apply number theory concepts (primes, factors, exponents) (7 out of 7 topics)
- 1.5a: Conjecture about properties of integers and rational numbers (3 out of 5 topics)
- 2.1a: Explore patterns and relationships using verbal rules or models (2 out of 3 topics)
- 2.2a: Describe patterns using expressions, equations, inequalities (2 out of 3 topics)
- 3.1a: Read and create displays of data using appropriate techniques (8 out of 13 topics)
- 4.6a: Transform geometric figures to explore congruence (2 out of 3 topics)
- 5.3a: Read and interpret scales on number lines, graphs and maps (2 out of 4 topics)
- 5.6: Select units and tools to measure to the accuracy required (1 out of 1 topic)
- 6.2a: Use order of operations to evaluate expressions with integers (4 out of 5 topics)
- 6.3: Apply and explain estimation and estimation strategies (3 out of 5 topics)

In summary, the State Standards Report allows you to view a list of those of your students that have mastered a sub-strand and those that have not. Additionally, it provides individual reports on each student’s knowledge of the standards strands and sub-stands.