

## Common Core Standards Report

The Common Core Standards Report shows the student progress of the course in terms of the applicable standards. This report is available for the following Higher Ed math course products:

- Basic Math
- Pre-Algebra
- Beginning Algebra
- Intermediate Algebra
- Beginning and Intermediate Algebra Combined

The link to the Common Core Standards Report is available in the Basic and Advanced Instructor Modules.

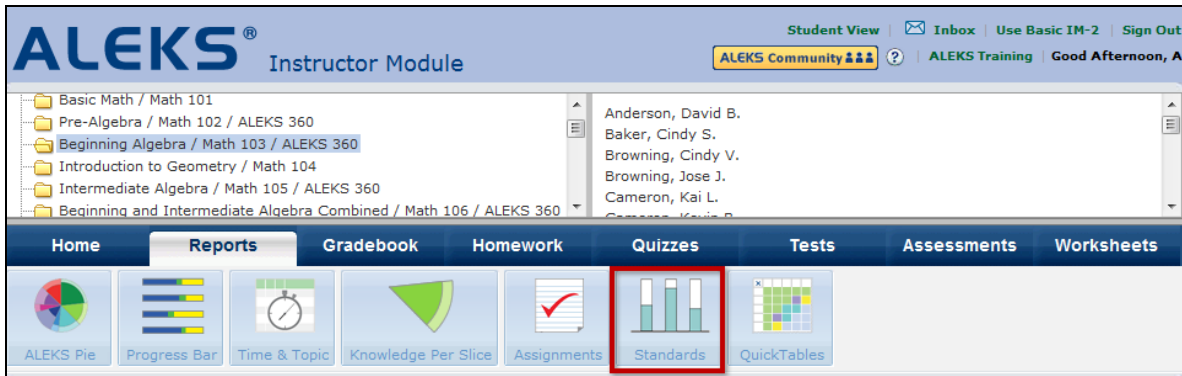
### Basic Instructor Module

To view the report, instructors must first select the course they would like to view, select the Reports tab, and then click on the “Class” link below the Standards icon.

The screenshot shows the ALEKS Instructor Module interface for the course "Math 103 / ALEKS 360 / Beginning Algebra". The "Reports" tab is selected in the navigation menu. The main content area displays several reports: "ALEKS Pie", "Progress Bar", "Time & Topic", "Knowledge Per Slice", "Assignments", "Standards", and "QuickTables". The "Standards" report icon, which shows a bar chart, is highlighted with a red rectangular box. Below each report icon are links for "Class" and "Individual" views. On the right side of the interface, there is a "Course Calendar" section showing upcoming due dates for Chapter 5, Chapter 6, Homework 11, and Chapter 6. Below the calendar is a "Book" section featuring the cover of "Introductory Algebra, 2nd Ed." by Miller, Julie; O'Neill, Molly; Hyde, Nancy.

## Advanced Instructor Module

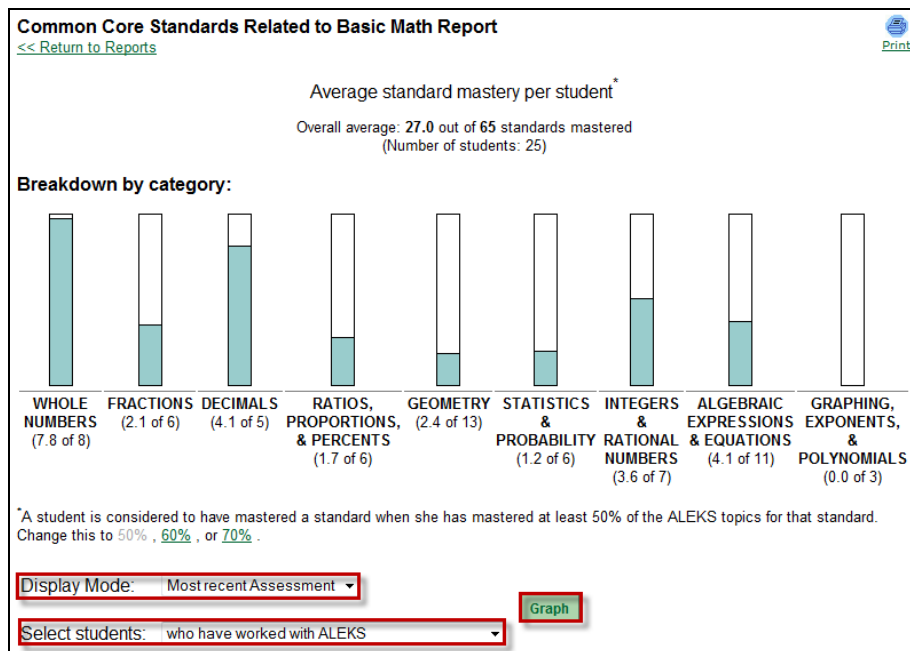
To view the report, instructors must first select the course they would like to view, select the Reports tab, and then click on the Standards icon.



In this report, standards are grouped into categories and displayed in a bar chart as shown below. Each category is represented by a vertical bar that shows the students' mastery of that category as measured by ALEKS. The numbers beneath each bar (e.g., 7.8 of 8 for the Whole Numbers category) indicate the proportion of standards in that category that have been mastered by the students.

The drop-down options beneath the bar chart allow instructors to choose:

- How the students' mastery of standards 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 the levels of mastery: all students in the class or students who have spent certain amounts of time (10, 20, 30, 40, or 60 hours) using their ALEKS accounts.



Complete detail on standards-based mastery for the class is available under the “Breakdown by standard” section. A list of standards and their corresponding ALEKS topics, along with the current percentage of mastery, is provided. Instructors can view the list of students who have mastered a standard by clicking on a percentage mastery link.

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

**WHOLE NUMBERS** (7.8 out of 8 standards mastered)

<b>4.NBT.2:</b> Read, write, and compare whole numbers	<a href="#">100% mastery</a>
<b>4.NBT.3:</b> Round multi-digit whole numbers to any place	<a href="#">100% mastery</a>
<b>4.NBT.4:</b> Fluently add and subtract multi-digit whole numbers	<a href="#">100% mastery</a>
<b>5.NBT.5:</b> Fluently multiply whole numbers using the standard algorithm	<a href="#">100% mastery</a>
<b>6.NS.2:</b> Fluently divide multi-digit numbers using the standard algorithm	<a href="#">100% mastery</a>
<b>4.OA.4:</b> Find factors and multiples of whole numbers	<a href="#">92% mastery</a>
<b>6.NS.4:</b> Find the GCF and LCM; use the distributive property	<a href="#">88% mastery</a>
<b>5.OA.1:</b> Evaluate numerical expressions with grouping symbols	<a href="#">100% mastery</a>

**23 students out of 25 (92%) have mastered at least 1 of these 2 ALEKS topics.**

- Black, John (2 topics)
- Bourbaki, Ken B. (2 topics)
- Bush, Jose S. (2 topics)
- Chang, Robert P. (2 topics)
- Ellison, Daniel V. (2 topics)
- Frankel, Cindy B. (2 topics)
- Garp, Cindy (2 topics)
- Garp, Joel V. (2 topics)
- Gates, Jane L. (2 topics)
- Hoffman, Nicole J. (2 topics)
- Kitel, Bart A. (1 topic)
- Lopes, Paul P. (2 topics)
- Nguyen, Kai T. (2 topics)
- Olson, Bart K. (2 topics)
- Pascal, Karen (2 topics)
- Rodriguez, Bill E. (2 topics)
- Rodriguez, Kai V. (2 topics)
- Ross, Daniel E. (2 topics)
- Smith, Kelly (2 topics)
- Vargas, Victoria E. (2 topics)
- Wagner, Maria (2 topics)
- Waltham, Jose S. (2 topics)
- White, Jose E. (2 topics)

**2 students out of 25 (8%) have not mastered 1 of these 2 ALEKS topics.**

- Cameron, Cindy E. (0 topic)
- Johnson, Joel S. (0 topic)

To see the ALEKS topics that correspond to the standard, instructors can click on the “ALEKS topics” link.

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

**WHOLE NUMBERS** (7.8 out of 8 standards mastered)

<b>4.NBT.2:</b> Read, write, and compare whole numbers	<a href="#">100% mastery</a>
<b>4.NBT.3:</b> Round multi-digit whole numbers to any place	<a href="#">100% mastery</a>
<b>4.NBT.4:</b> Fluently add and subtract multi-digit whole numbers	<a href="#">100% mastery</a>
<b>5.NBT.5:</b> Fluently multiply whole numbers using the standard algorithm	<a href="#">100% mastery</a>
<b>6.NS.2:</b> Fluently divide multi-digit numbers using the standard algorithm	<a href="#">100% mastery</a>
<b>4.OA.4:</b> Find all factor pairs for a whole number in the range 1-100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1-100 is a multiple of a given one-digit number. Determine whether a given whole number in the range 1-100 is prime or composite.	<a href="#">92% mastery</a>

There are [2 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 1 of these 2 ALEKS topics.

23 students out of 25 (92%) have mastered at least 1 of these 2 ALEKS topics.

- Black, John (2 topics)
- Bourbaki, Ken B. (2 topics)

There are [2 ALEKS topics](#) that correspond to this standard.

- [Factors](#)
- [Prime numbers](#)

Instructors can view a sample topic and explanation from the list of ALEKS topics for the standard by clicking on a topic name. The question within the blue box is shown as it would be presented to the student. All of the information below the blue box is what the student would see if they clicked on the “Explain” button.

### Factors

Write all the factors of 33 .  
Use commas to separate them.

To find all the factors, we try to make products equal to 33 .  
We go through the whole numbers. We can stop when we get to a factor we already know.

Number	Can we make a product?
1	$1 \times 33 = 33$
2	no
3	$3 \times 11 = 33$
4	no
5	no
6	no
7	no
8	no
9	no
10	no
11	We already found $3 \times 11 = 33$ . → Stop!

Looking at the products we could make, we see the factors are 1 , 33 , 3 , and 11 .

We write them in order for the answer.

1, 3, 11, 33

Instructors can also click on the “Breakdown by student” link to see standards mastery organized by student name, rather than by standards.

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

**WHOLE NUMBERS** (7.8 out of 8 standards mastered)

4.NBT.2: Read, write, and compare whole numbers	<a href="#">100% mastery</a>
4.NBT.3: Round multi-digit whole numbers to any place	<a href="#">100% mastery</a>

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

Black, John (42.8 hours)	<a href="#">29% mastery</a>
Bourbaki, Ken B. (55.7 hours)	<a href="#">53% mastery</a>
Bush, Jose S. (39.8 hours)	<a href="#">36% mastery</a>
Cameron, Cindy E. (16.6 hours)	<a href="#">9% mastery</a>
Chang, Robert P. (58.9 hours)	<a href="#">26% mastery</a>
Ellison, Daniel V. (48.6 hours)	<a href="#">43% mastery</a>
Frankel, Cindy B. (14.4 hours)	<a href="#">40% mastery</a>
Garp, Cindy (79.3 hours)	<a href="#">58% mastery</a>

To view the standards that have or have not been mastered, instructors can click on the student's mastery percentage link.

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

Black, John (42.8 hours)	<a href="#">29% mastery</a>
Bourbaki, Ken B. (55.7 hours)	<a href="#">53% mastery</a>
Bush, Jose S. (39.8 hours)	<a href="#">36% mastery</a>

Black, John (42.8 hours) [29% mastery](#)  
Bourbaki, Ken B. (55.7 hours) [53% mastery](#)

Using the mastery criterion of 50%, this student has mastered 35 standards out of 65 (53%).

**Standards Mastered:**

- 4.NBT.2: Read, write, and compare whole numbers (5 out of 5 topics)
- 4.NBT.3: Round multi-digit whole numbers to any place (3 out of 3 topics)
- 4.NBT.4: Fluently add and subtract multi-digit whole numbers (12 out of 12 topics)
- 5.NBT.5: Fluently multiply whole numbers using the standard algorithm (4 out of 4 topics)
- 6.NS.2: Fluently divide multi-digit numbers using the standard algorithm (6 out of 6 topics)

**Standards Not Mastered:**

- 5.NF.2: Solve problems involving addition and subtraction of fractions (0 out of 1 topic)
- 5.NF.6: Solve problems involving multiplication with fractions (0 out of 1 topic)
- 6.NS.1: Divide fractions and solve problems involving division with fractions (0 out of 2 topics)
- 6.RP.2: Understand unit rate and use rate language in a context (0 out of 1 topic)
- 6.RP.3.c: Find a percent of a quantity; solve problems involving percent (1 out of 4 topics)
- 7.RP.3: Use proportional relationships to solve ratio and percent problems (0 out of 7 topics)
- 5.MD.4: Measure volumes by counting unit cubes (0 out of 1 topic)
- 5.MD.5.c: Find volumes of solid figures composed of two prisms (0 out of 1 topic)

In summary, the Common Core Standards Report allows instructors to view a list of those students who have mastered a standard and those who have not. Additionally, it allows instructors to view the list of standards mastered and not mastered for each student in their course.