



## Florida Competency Report

The Florida Competency Report shows the student progress of the course in terms of the Florida competencies. This report is available for the following Higher Ed math course products:

- Florida Math 0018
- Florida Math 0028

The link to the “Florida Competency Report” is available in the Basic and Advanced Instructor Modules.

To view the report, instructors must first select the course they would like to view and then click on the “Florida competency report” link.

### Basic Instructor Module

The screenshot shows the Basic Instructor Module interface. At the top, there is a dropdown menu for "My Course" set to "Math 125 / ALEKS 360 / Florida Math 0018". Below this is a navigation bar with tabs for Home, Reports, Gradebook, Homework, Quizzes, Tests, and Assessments. The "Reports" tab is selected. The main content area displays the course title "Math 125 / ALEKS 360 / Florida Math 0018" and a prompt: "Please choose one of the following course reports." Under "Progress Reports:", there is a list of report options. The "Florida competency report" is highlighted with a red box.

My Course: Math 125 / ALEKS 360 / Florida Math 0018 [Edit this Course](#) [Add a Course](#) [Administrator Center](#)

Home Reports Gradebook Homework Quizzes Tests Assessments

**Math 125 / ALEKS 360 / Florida Math 0018**

Please choose one of the following course reports.

**Progress Reports:**

- [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.
- [Average report \(pie chart\)](#): Average of the pie charts of all students in the course.
- [Time and Topic report for all students](#): Shows time spent in ALEKS, topics attempted, and topics mastered over a period of time.
- [Knowledge Per Slice](#): Shows each student's current mastery of each slice in this course.
- **Florida competency report**: Mastery in terms of Florida competencies.

### Advanced Instructor Module

The screenshot shows the Advanced Instructor Module interface. At the top, there is a navigation bar with "ALEKS Instructor Module" and "Student View", "Inbox", "Use Basic IM-2", and "Sign Out" links. Below this is a list of course folders on the left and a list of student names on the right. The "Florida Math 0018 / Math 125" folder is selected. Below the course list is a navigation bar with tabs for Home, Reports, Gradebook, Homework, Quizzes, Tests, Assessments, and Worksheets. The "Reports" tab is selected. Under "Reports", there is a list of report options. The "Florida Competency Report" is highlighted with a red box.

ALEKS® Instructor Module [Student View](#) [Inbox](#) [Use Basic IM-2](#) [Sign Out](#) Good Afternoon, Emily

Essential Math Skills for Business / Math 121  
Prep for Math and Dosage / Math 122  
Math Placement / Math 123  
Florida Math 0018 / Math 125  
Florida Math 0028 / Math 126

Alberti, Karen K.  
Anderson, Jill J.  
Baker, Kevin  
Browning, Kelly A.  
Bush, Bill T.

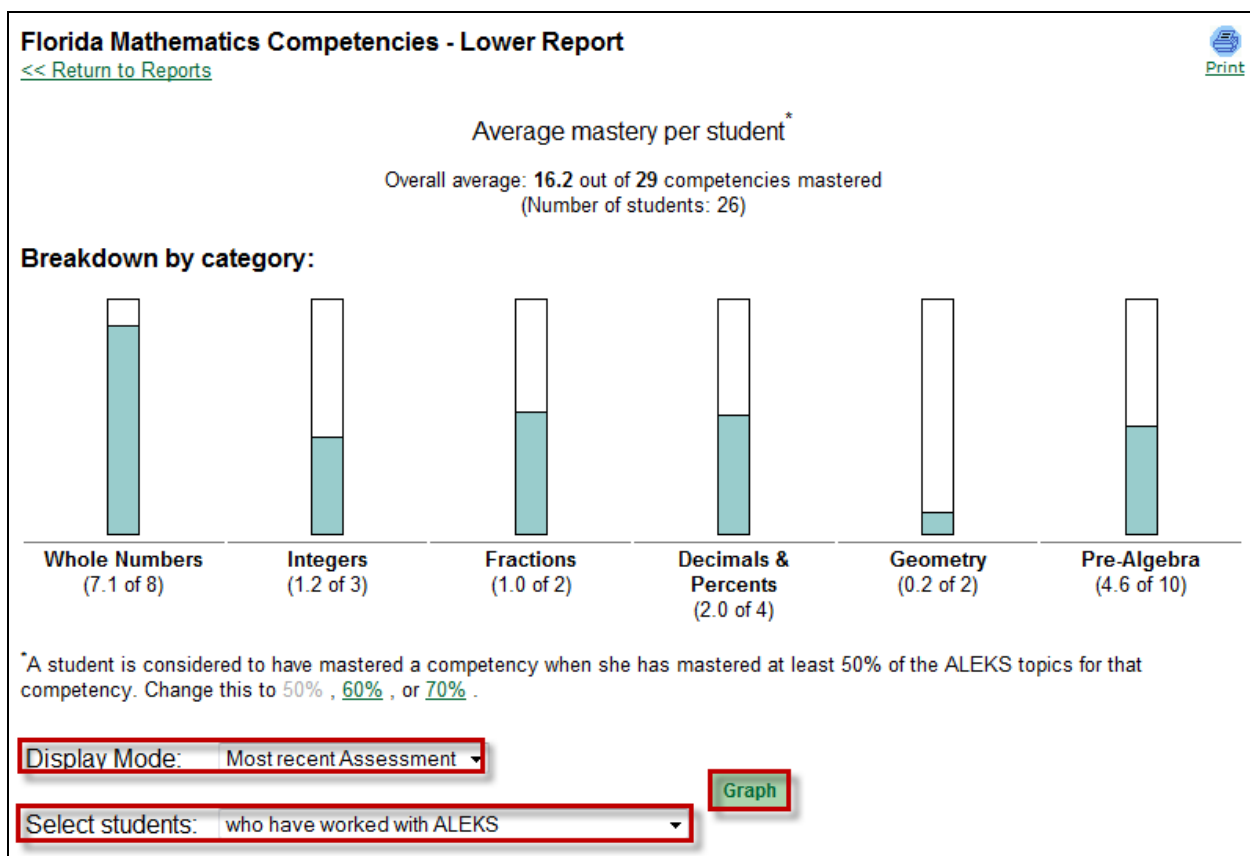
Home Reports Gradebook Homework Quizzes Tests Assessments Worksheets

Progress Report Full Progress Pie Chart  
Homework Report Quiz Report Test Report  
Scheduled Assessment Report Time and Topic Overall Report  
**Florida Competency Report**  
Tools

In this report, competencies 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., 7.1 of 8 for the Whole Numbers category) indicate the proportion of competencies 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 competencies 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 competencies-based mastery for the class is available under the “Breakdown by competency” section. A list of competencies 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 competency, by clicking on a percentage mastery link.

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

**Whole Numbers** (7.1 out of 8 competencies mastered)

**MDECL1:** Perform operations on whole numbers with applications

**MDECL2:** Perform order of operations including absolute values

**MDECL3:** Evaluate exponents with whole numbers

**MDECL10:** Compare magnitude of real numbers

**MDECL11:** Classify sets of numbers

**MDECL12:** Identify and apply the properties of real numbers

**MDECL13:** Identify place value and round whole numbers

**MDECL14:** Write the prime factorization of a number

[100% mastery](#)

[96% mastery](#)

[96% mastery](#)

[96% mastery](#)

[96% mastery](#)

[84% mastery](#)

[100% mastery](#)

[38% mastery](#)

**22 students out of 26 (84%) have mastered at least 2 of these 3 ALEKS topics.**

- Anderson, Jennifer L. (3 topics)
- Black, Victoria A. (3 topics)
- Bush, Karen T. (3 topics)
- Carter, Joel E. (3 topics)
- Clinton, Nicole (3 topics)
- Collins, John A. (3 topics)
- Dixon, Cindy R. (2 topics)
- Ellison, Jose (3 topics)
- Gates, Joel V. (3 topics)
- Green, Jane C. (3 topics)
- Kennedy, Herbert V. (3 topics)
- Kennedy, Paul V. (3 topics)
- McArthur, Tracy B. (3 topics)
- Mendes, Charles E. (3 topics)
- Nixon, Jose B. (3 topics)
- Simpson, Bill B. (3 topics)
- Topeka, Kelly T. (3 topics)
- Vargas, Daniel K. (3 topics)
- Velasquez, Kelly S. (3 topics)
- Wagner, Bill S. (3 topics)
- Wagner, John P. (3 topics)
- Waltham, Kelly (3 topics)

**4 students out of 26 (16%) have *not* mastered 2 of these 3 ALEKS topics.**

- Black, Herbert B. (1 topic)
- Dixon, Kevin S. (1 topic)
- Knuth, Cindy P. (1 topic)
- Waltham, Kai L. (0 topic)

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

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

**Whole Numbers** (7.1 out of 8 competencies mastered)

<b>MDECL1:</b> Perform operations on whole numbers with applications	<a href="#">100% mastery</a>
<b>MDECL2:</b> Perform order of operations including absolute values	<a href="#">96% mastery</a>
<b>MDECL3:</b> Evaluate exponents with whole numbers	<a href="#">96% mastery</a>
<b>MDECL10:</b> Compare magnitude of real numbers	<a href="#">96% mastery</a>
<b>MDECL11:</b> Classify sets of numbers	<a href="#">96% mastery</a>
<b>MDECL12:</b> Identify and apply the properties of real numbers	<a href="#">84% mastery</a>

There are [3 ALEKS topics](#) that correspond to this competency.

The mastery criterion is currently set at 50%. So a student is considered to have mastered this competency when she has mastered at least 2 of these 3 ALEKS topics.

There are [3 ALEKS topics](#) that correspond to this competency.

- [Introduction to properties of addition](#)
- [Introduction to properties of multiplication](#)
- [Understanding the distributive property](#)

Instructors can view a sample topic and explanation from the list of ALEKS topics for the competency 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.

**Introduction to properties of addition**

Fill in the blanks. Then, choose the property of addition you used.

$\square + 6 = 6$	(Choose one)
$3 + 7 = \square + 3$	(Choose one)

**(a)**  $\square + 6 = 6$

When we add zero and a number, the sum is that number.  
So the missing number is **0**.  
This shows the Identity Property of Addition.

$0 + 6 = 6$     Identity Property

**(b)**  $3 + 7 = \square + 3$

The order in which we add two numbers does not change the sum.  
So the missing number is **7**.  
This shows the Commutative Property of Addition.

$3 + 7 = 7 + 3$     Commutative Property

**(c)**  $(2 + 8) + 4 = \square + (8 + 4)$

When adding, the way we group the numbers does not change the sum.  
So the missing number is **2**.  
This shows the Associative Property of Addition.

$(2 + 8) + 4 = 2 + (8 + 4)$     Associative Property

[How do we check this?](#)

Here is the answer.

$0 + 6 = 6$	Identity Property
$3 + 7 = 7 + 3$	Commutative Property

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

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

**Whole Numbers** (7.1 out of 8 competencies mastered)

<b>MDECL1:</b> Perform operations on whole numbers with applications	<a href="#">100% mastery</a>
<b>MDECL2:</b> Perform order of operations including absolute values	<a href="#">96% mastery</a>

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

Anderson, Jennifer L. (37.0 hours)	<a href="#">58% mastery</a>
Black, Herbert B. (43.7 hours)	<a href="#">48% mastery</a>
Black, Victoria A. (35.3 hours)	<a href="#">58% mastery</a>
Bush, Karen T. (43.8 hours)	<a href="#">62% mastery</a>
Carter, Joel E. (37.3 hours)	<a href="#">51% mastery</a>
Clinton, Nicole (40.6 hours)	<a href="#">58% mastery</a>



To view the competencies 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 competency.](#))

Anderson, Jennifer L. (37.0 hours)	<a href="#">58% mastery</a>
Black, Herbert B. (43.7 hours)	<a href="#">48% mastery</a>
Black, Victoria A. (35.3 hours)	<a href="#">58% mastery</a>

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

Anderson, Jennifer L. (37.0 hours) [58% mastery](#)

Using the mastery criterion of 50%, this student has mastered 17 standards out of 29 (58%).

**Competencies Mastered:**

- MDECL1: Perform operations on whole numbers with applications (37 out of 46 topics)
- MDECL2: Perform order of operations including absolute values (5 out of 5 topics)
- MDECL3: Evaluate exponents with whole numbers (3 out of 3 topics)
- MDECL10: Compare magnitude of real numbers (8 out of 9 topics)
- MDECL11: Classify sets of numbers (2 out of 4 topics)
- MDECL12: Identify and apply the properties of real numbers (3 out of 3 topics)
- MDECL13: Identify place value and round whole numbers (5 out of 5 topics)
- MDECL14: Write the prime factorization of a number (1 out of 1 topic)
- MDECL16: Evaluate absolute value expressions (1 out of 2 topics)
- MDECL6: Simplify fractions (4 out of 4 topics)
- MDECL7: Perform operations with decimals (with applications) (12 out of 15 topics)
- MDECL17: Identify place value and round decimals (3 out of 3 topics)
- MDECL22: Define variables and write expressions to represent quantities (3 out of 3 topics)
- MDECL24: Evaluate algebraic expressions (e.g.,  $3x$  when  $x=2$ ) (3 out of 5 topics)
- MDECL26: Graph an inequality on a number line (3 out of 3 topics)
- Introduction to MDECU2: Simplifies an expression with integer exponents (3 out of 6 topics)
- Introduction to MDECU9: Simplify radical expressions - square roots only (1 out of 2 topics)

**Competencies Not Mastered:**

- MDECL4: Perform operations with integers (with applications) (4 out of 9 topics)
- MDECL15: Evaluate exponents with integers (0 out of 2 topics)
- MDECL5: Perform operations with fractions (with applications) (9 out of 24 topics)
- MDECL8: Convert among percents, fractions, and decimals (5 out of 11 topics)
- MDECL18: Solve percent equations with applications (1 out of 6 topics)
- MDECL9: Solve application problems involving geometry (3 out of 14 topics)
- MDECL19: Convert units of measurement within the same system (4 out of 9 topics)
- MDECL20: Set up and solve proportions with algebraic expressions (3 out of 7 topics)
- MDECL21: Solve linear equations involving addition and multiplication (6 out of 15 topics)
- MDECL23: Simplify algebraic expressions with one variable ( $2x + 5x$ ) (2 out of 5 topics)
- MDECL25: Solve formulas with given values (0 out of 1 topic)
- Introduction to MDECU3: Add, subtract, multiply, and divide polynomials (0 out of 3 topics)

In summary, the Florida Competency Report allows instructors to view a list of those students who have mastered a competency and those who have not. Additionally, it allows instructors to view the list of competencies mastered and not mastered for each student in their course.