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

![Image of Basic Instructor Module]

Advanced Instructor Module

![Image of Advanced Instructor Module]
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

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.

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.

<table>
<thead>
<tr>
<th>Introduction to properties of addition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fill in the blanks. Then, choose the property of addition you used.</td>
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<tr>
<td></td>
</tr>
<tr>
<td>$\underline{\text{a}} + 6 = 6$</td>
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<tr>
<td></td>
</tr>
<tr>
<td>$3 + 7 = \underline{\text{a}} + 3$</td>
</tr>
</tbody>
</table>

(a) $0 + \underline{\text{a}} = 6$

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.

$$0 + \underline{\text{a}} = 6$$  Identity Property

(b) $3 + 7 = \underline{\text{a}} + 3$

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.

$$3 + 7 = \underline{\text{a}} + 3$$  Commutative Property

(c) $\underline{\text{a}} + (2 + 8) + 4 = (\underline{\text{a}} + 2) + (8 + 4)$

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.

$$(\underline{\text{a}} + 2) + (8 + 4)$$  Associative Property

Here is the answer.

<p>| |</p>
<table>
<thead>
<tr>
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<tr>
<td>$0 + 6 = 6$</td>
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<td>$3 + 7 = 7 + 3$</td>
</tr>
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</table>
Instructors can also click on the “Breakdown by student” link to see competency mastery organized by student name, rather than by competencies.
To view the competencies that have or have not been mastered, instructors can click on the student’s mastery percentage link.

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.