

## What is a Mastery Index?

A mastery index is a weighted calculation based on the achievement level attained by a student on a test, like how a teacher may weight assignments differently in a high school course.

All students are included in the calculation even if they are not yet “proficient” on a test. This allows all students to be recognized. This calculation is different from a “straight proficiency rate” as that only recognizes students that scored proficient, or passed, the test. Below is an example of the mastery index.



100 students  
in an  
elementary  
school

### Sample Weights:

1.25 for Advanced  
1.0 for Proficient  
0.75 for Basic  
0.25 for Below Basic



20 score at the  
Advanced level



$$20 \times 1.25 = 25$$

30 score at the  
Proficient level



$$30 \times 1.0 = 30$$

30 score at the  
Basic level



$$30 \times 0.75 = 22.5$$

20 score at the  
Below Basic level



$$20 \times 0.25 = 5$$

$$25 + 30 + 22.5 + 5 = 82.5 \text{ points}$$

## Virginia Standards of Learning Test Performance Levels

Elementary School Math and Reading		Elementary School Science	
Advanced	?	Advanced	?
Proficient	1.0	Proficient	1.0
Basic	?	Does not Meet	?
Below Basic	?		

Middle School Math and Reading		Middle School Science		High School End of Course	
Advanced	?	Advanced	?	Advanced	?
Proficient	1.0	Proficient	1.0	Proficient	1.0
Basic	?	Does not Meet	?	Does not Meet	?
Below Basic	?				