

# Friday Focus-Math Update

## **Release of Spring 2018 Test Items**

A partial release of items from the spring 2018 Ohio State Mathematics Tests is now available in the [Ohio's State Test portal](#). These items give educators insight into the kinds of questions students experienced, and they are a useful tool to inform classroom instruction. Both teachers and parents may use this resource to help students know what to expect.

Included with each item in this release are the associated learning standard(s) and the scoring rubrics. Examples of student responses also are available to illustrate actual work and the corresponding points earned on the student examples.

- [Grade 3 Item Release Scoring Guide](#)
- [Grade 4 Item Release Scoring Guide](#)
- [Grade 5 Item Release Scoring Guide](#)
- [Grade 6 Item Release Scoring Guide](#)
- [Grade 7 Item Release Scoring Guide](#)
- [Grade 8 Item Release Scoring Guide](#)
- [Algebra 1 Item Release Scoring Guide](#)
- [Geometry Item Release Scoring Guide](#)

## **Test Specifications Now Available**

The Math Test Specifications provide an overview of the structure and content of Ohio's State Test. This overview includes a description of the test design as well as information on the types of items that will appear on the test. Also included is a test blueprint, a document that identifies the range and distribution of points grouped into various reporting categories (e.g., Fractions, Ratios and Proportions, Functions, Probability). The specifications also provide specific guidelines for the development of all items used for Ohio's math tests.

These documents are a resource not only for item writers and test designers, but also for Ohio educators and other stakeholders who are interested in a deeper understanding of the test.

- [Grade 3 Test Specifications](#)
- [Grade 4 Test Specifications](#)
- [Grade 5 Test Specifications](#)
- [Grade 6 Test Specifications](#)
- [Grade 7 Test Specifications](#)
- [Grade 8 Test Specifications](#)
- [Algebra 1 Test Specifications](#)
- [Geometry Test Specifications](#)

## **Updated Test Blueprints**

The test blueprints for the Ohio's State Mathematics Tests have been updated to reflect the 2017 Ohio Learning Standards for Mathematics. Test blueprints serve as a guide for test construction and provide an outline of the content and skills to be measured on the test. They contain information about individual tests, including the number of points on the test and show how the learning standards are grouped in order

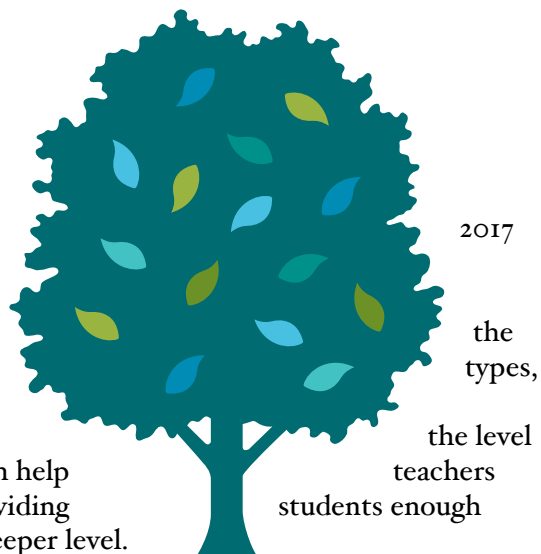
to report the test results. All standards identified on the blueprint are eligible to appear on a test form and should be taught during instruction.

- [Modeling and Reasoning](#)
- [Grade 3 Blueprint](#)
- [Grade 4 Blueprint](#)
- [Grade 5 Blueprint](#)
- [Grade 6 Blueprint](#)
- [Grade 7 Blueprint](#)
- [Grade 8 Blueprint](#)
- [Algebra 1 Blueprint](#)
- [Geometry Blueprint](#)

### **Updated Practice Tests**

The half-length practice tests have been updated to reflect the Ohio Learning Standards for Mathematics. Updated half-length practice tests are available for each of the state tests. Practice test items allow students to become familiar with online test environment by showcasing the different item features, and functionality available to students during online testing. Teachers can review released test items to determine of mathematical reasoning needed for success. This analysis can help examine their local curriculum to see if their instruction is providing opportunities to take their mathematical understanding to a deeper level.

\* The reference sheets on the half-length practice tests are still in the process of being updated. An announcement will be made by the Department when the reference sheets have been updated.



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### **Updated Practice Test Scoring Guides**

The Practice Test Scoring Guides have been updated to reflect the 2017 Ohio Learning Standards for Mathematics. The Practice Test Scoring Guides provide answer keys and scoring guidance for each Ohio's State Mathematics Tests. They include the item type, the content standard and content statement assessed, an answer key, and the number of points associated with each item. They also include the guidelines for scoring (i.e., scoring rubrics), sample responses and notes on scoring and rationales that describe why response options are correct or incorrect.

- [Grade 3 Practice Test Scoring Guide](#)
- [Grade 4 Practice Test Scoring Guide](#)
- [Grade 5 Practice Test Scoring Guide](#)
- [Grade 6 Practice Test Scoring Guide](#)
- [Grade 7 Practice Test Scoring Guide](#)
- [Grade 8 Practice Test Scoring Guide](#)
- [Algebra 1 Practice Test Scoring Guide](#)
- [Geometry Practice Test Scoring Guide](#)

### **Updated Performance Level Descriptors**

The Performance Level Descriptors (PLDs) have been updated to reflect the 2017 Ohio Learning Standards for Mathematics. The PLDs are the link between Ohio's Learning Standards and performance standards. They were developed by Ohio educators and other content experts to illustrate the typical demonstration of the learning for each of the five performance levels: Limited, Basic, Proficient,

Accelerated and Advanced. Teachers can review the PLDs for each grade level or subject to match each descriptive statement with its course standards. Teachers can then review local curriculum materials to see if opportunities are being given to students to demonstrate deeper conceptual understanding of course content at the different performance levels.

- [Grade 3 Performance Level Descriptors](#)
- [Grade 4 Performance Level Descriptors](#)
- [Grade 5 Performance Level Descriptors](#)
- [Grade 6 Performance Level Descriptors](#)
- [Grade 7 Performance Level Descriptors](#)
- [Grade 8 Performance Level Descriptors](#)
- [Algebra 1 Performance Level Descriptors](#)
- [Geometry Performance Level Descriptors](#)

### **Updated Reference Sheets**

The reference sheets have been updated to reflect the 2017 Ohio Learning Standards for Mathematics. A reference sheet may be used on the Ohio State Mathematics Tests by all students in grades four and above. For paper-based testers, the math reference sheets will be included within the student test booklet. For online testers, the math reference sheet is embedded within the platform. A hard-copy may be provided to students during online testing but these need to be printed at the local level. Once testing is finished, test administrators must collect the math reference sheets and shred any that may contain student writing.

- [Grade 4 Reference Sheet \(English\)](#)
- [Grade 5 Reference Sheet \(English\)](#)
- [Grade 6 and 7 Reference Sheet \(English\)](#)
- [Grade 8 Reference Sheet \(English\)](#)
- [High School Reference Sheet \(English\)](#)

### **Calculator Guidance**

Calculator guidance for the 2018-2019 will remain the same as previous school years. Students may use the Desmos calculator embedded in the test platform during testing. Districts may also choose to allow students to use handheld calculators in addition to the Desmos calculator on the parts of the test that allow for calculators. Students who qualify for a calculator as an accommodation will continue to be allowed to use a calculator on the test. The Department recommends that students be familiar with whichever (i.e. Desmos, handheld, or both) calculator they use from their instruction prior to testing.

#### **Guidance on Desmos:**

- [Grades 3-8](#)
- [High School](#)

#### **Guidance on Handheld Calculators:**

- [Grades 3-8](#)
- [High School](#)