STATISTICAL SUMMARY

SPRING 2022 ADMINISTRATION OF OHIO’S STATE TESTS (OST) IN ENGLISH LANGUAGE ARTS, MATHEMATICS, SCIENCE AND SOCIAL STUDIES

The State Board of Education of Ohio adopted Ohio’s Learning Standards in English language arts and mathematics in 2010 as part of a multi-state effort. The State Board also adopted new, more rigorous, standards in science and social studies. Ohio’s Learning Standards for English language arts, mathematics, science and social studies describe the educational targets for students in each subject area. Ohio’s State Tests are designed to measure progress toward achievement of Ohio’s learning standards. In spring 2016, the Ohio Department of Education administered, for the first time, Ohio’s State Tests in English language arts (ELA) and mathematics to assess proficiency with respect to Ohio’s Learning Standards. Specifically, the state tests assess student achievement in meeting: The English language arts and mathematics in grades 3 through 8 and high school. Students take social studies tests after completing high school coursework in American history and American government. In science, students take state tests in grades 5 and 8, and following instruction in biology in high school.

Ohio’s State Tests are fixed form assessments that were intended for online administration. However, paper format is available as an accommodation or for special circumstances. For ELA OST spring 2022 assessments except High School ELA I, multiple operational field test (OPFT) forms were administered online. No new items were developed for ELA I due to the phase out of this test. For students who enter grade 9 on or after July 1, 2019, state law has removed this test as a required assessment in the state testing system. The test form administered for paper-based test was one of the online OPFT test form.

Statistics reported here are based on the results of all public school and community students participating in the spring 2022 administration. Data for grade 3 ELA and all high school tests include both first-time and repeat test takers, and repeat test takers tend to do less well than first-time testers.
### Table 1 – Operational Summary Statistics

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Note: Since all spring 2022 ELA tests except High School ELA I had Operational Field Test writing prompts with associated reading items, highest possible raw scores within the blueprint ranges in each test vary depending on passages associated with writing prompts. SEM is standard error of measurement. Min and Max Scale Score and Max Raw Score show the minimum/maximum possible score the students could achieve. High School ELA I is phasing out.
Table 2 – Scale Score Cut Points for Basic, Proficient, Accomplished, and Advanced Performance Levels

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Subscale data

Table 4 – Raw Score Ranges for Below Proficient, At/Near Proficient and Above Proficient

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Note: The ranges are based on online test form. Since Spring 2022 ELA tests except High School ELA I had Operational Field Test Writing prompts, the subscale raw score ranges varied depending on passages associated with writing prompts and are not reported here.

RL = Reading Literary Text; RI = Reading Informational Text; W = Writing).
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Note: The ranges are based on online test form. Modeling and Reasoning items are embedded within the other mathematics reporting categories.

MUD = Multiplication & Division; NO = Numbers & Operations; G = Geometry; FRA = Fractions; D = Decimals; EE = Expressions & Equations; NS = The Number System; GS = Geometry and Statistics; RP = Ratios and Proportions; SP = Statistics and Probability; F = Functions; NQEE = Number, Quantities, Equations and Expressions; S = Statistics; CP = Congruence & Proof; ST = Similarity & Trigonometry; C = Circles; P = Probability; A = Algebra; NQF = Number & Quantity/Functions; MR = Model Reasoning.
Table 4 – Continued

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Note: The ranges are based on online test form.

ES = Earth Science; LS = Life Science; PS = Physical Science; H = Heredity; E = Evolution; DI = Diversity and Interdependence of Life; Ce = Cells.
Table 4 – Continued

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Note: The ranges are based on online test form.

EG = Economics and Geography; GO=Government; HI=History; EC=Economics; GE=Geography; HG=History and Government; AGA = Historic Documents; AGB = Principles & Structures; AGC = Ohio/Policy/Economy; AHA = Skills & Documents; AHB = 1877-1945; AHC = 1945-Present.
Subscale data

Table 5 - Percentage of Students Below Proficient, At/Near Proficient and Above Proficient

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RL = Reading Literary Text; RI = Reading Informational Text; W = Writing.
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Note: Modeling and Reasoning items are embedded within the other mathematics reporting categories.

MUD = Multiplication & Division; NO = Numbers & Operations; G = Geometry; FRA = Fractions; D = Decimals; EE = Expressions & Equations; NS = The Number System; GS = Geometry and Statistics; RP = Ratios and Proportions; SP = Statistics and Probability; F = Functions; NQEE = Number, Quantities, Equations and Expressions; S = Statistics; CP = Congruence & Proof; ST = Similarity & Trigonometry; C = Circles; P = Probability; A = Algebra; NQF = Number & Quantity/Functions; MR = Model Reasoning.
Table 5 - Continued

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ES = Earth Science; LS = Life Science; PS = Physical Science; H = Heredity; E = Evolution; DI = Diversity and Interdependence of Life; Ce = Cells.
Table 5 - Continued

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EG = Economics and Geography; GO=Government; HI=History; EC=Economics; GE=Geography; HG=History and Government; AGA = Historic Documents; AGB = Principles & Structures; AGC = Ohio/Policy/Economy; AHA = Skills & Documents; AHB = 1877-1945; AHC = 1945-Present.