

Edison Eagles Prepare for the PSAT/NMSQT® 2019



A blue-tinted photograph of three students working on a LEGO Mindstorms robot. A male student in the center is using a screwdriver to adjust a component on the robot's top deck. A female student on the right is holding a wire, and another student on the left is partially visible, also working on the robot. The background is slightly blurred, showing other people in the room.

Skills Tested on the PSAT/NMSQT

Skills Tested



Reading Test



Writing and Language Test



Math Test

- Each test assesses the academic skills that students have developed over the years, primarily through their coursework.
- These skills are considered essential for success in high school, college, and career.

Math Test

What to Expect

The Math Test focuses on the math that matters most for college and career readiness. To succeed on the Math Test, students will need to demonstrate mathematical practices, such as problem solving and using appropriate tools strategically.



Math Test


- 2 Test Sections; 70 minutes
- 48 Questions
(40 multiple choice, 8 grid-ins)



Quick Facts

- Most math questions will be multiple choice, but some will be student-produced responses (grid-ins).
- The Math Test is divided into two portions:
Math Test – Calculator and Math Test – No Calculator.
- Some parts of the test will present students with a scenario and then ask several questions about it.

How to Prepare for the PSAT/NMSQT For MATH

A blue-tinted photograph of three students walking past a brick wall. The student in the center is a young man with dark hair, wearing a plaid shirt and a backpack, looking towards the right. To his left is another student, partially visible, also wearing a backpack. To his right is a young woman with long dark hair, wearing a light-colored shirt and a backpack, looking towards the right. The background is a brick wall.

Math Section

Math Test – Calculator



Students: Know Your Calculator

- A scientific or graphing calculator is recommended.
- Students should bring a familiar calculator. Test day is not the time to figure out how to use a new calculator.

Math Section

Math Test – Calculator



Additional Calculator Tips for Students

- Don't try to use the calculator on every question—no question requires one.
- Decide how to solve each problem; then decide whether to use a calculator.
- Make sure your calculator is in good working order and that batteries are fresh.
- Students will not be permitted to use laptops or other computers, tablets, cell phones, or smartphones, etc. Please reference the student guide for a complete list.

Know How the PSAT/NMSQT Is Scored

Rights-Only Scoring

- 1 point for each correct answer
- 0 points deducted for each incorrect or blank question

Math Grid-ins

- You can enter answers as (reduced) fractions or decimals.
- If rounding a decimal, make sure to use every box.

Scale

- 160–760 for each test section
- 320–1520 for the total score

Sample PSAT/NMSQT Questions



Math Test

Calculator: Permitted

Aaron is staying at a hotel that charges \$99.95 per night plus tax for a room. A tax of 8% is applied to the room rate, and an additional one-time untaxed fee of \$5.00 is charged by the hotel. Which of the following represents Aaron's total charge, in dollars, for staying x nights?

- (A) $(99.95 + 0.08x) + 5$
- (B) $1.08(99.95x) + 5$
- (C) $1.08(99.95x + 5)$
- (D) $1.08(99.95 + 5)x$



Math Test

Calculator: Permitted

This problem asks students to interpret a situation and formulate a linear expression that represents the situation mathematically. The construction of mathematical models that represent real-world scenarios is a critical skill.

The total charge is the room rate, the 8% tax on the room rate, and a fixed fee. If Aaron stayed x nights, then the total charge is $99.95x + (0.08 \times 99.95x) + 5$, which can be rewritten as $1.08(99.95x) + 5$.



Math Test

Calculator: Permitted

Aaron is staying at a hotel that charges \$99.95 per night plus tax for a room. A tax of 8% is applied to the room rate, and an additional one-time untaxed fee of \$5.00 is charged by the hotel. Which of the following represents Aaron's total charge, in dollars, for staying x nights?

(A) $(99.95 + 0.08x) + 5$

(B) $1.08(99.95x) + 5$

(C) $1.08(99.95x + 5)$

(D) $1.08(99.95 + 5)x$



Math Test

Calculator: Not Permitted



In this equation, what is the value of k ?

$$\frac{5(k+2)-7}{6} = \frac{13-(4-k)}{9}$$

In this problem, students will demonstrate their fluency in solving equations in one variable.

Choice B is correct. Simplifying the numerators yields

$$\frac{5k+3}{6} = \frac{9+k}{9}$$

and cross-multiplication gives $45k + 27 = 54 + 6k$.

Solving for k yields $k = \frac{9}{13}$

(A) $\frac{9}{7}$

(B) $\frac{9}{13}$

(C) $\frac{33}{17}$

(D) $\frac{33}{13}$

Math Test

Calculator: Not Permitted

In this equation, what is the value of k ?

$$\frac{5(k+2)-7}{6} = \frac{13-(4-k)}{9}$$

(A) $\frac{9}{7}$

(B) $\frac{9}{13}$

(C) $\frac{33}{17}$

(D) $\frac{33}{13}$



Math Section

Student-Produced Responses



Sample Grids

Instead of choosing a correct answer from a list of options, students will need to solve problems and enter their answers in the grids provided on the answer sheet.

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PSAT is October 30th
Cost is \$ 18 for Freshman and Juniors
Mandatory and FREE for Sophomores
ALL students MUST register online

[View Grades](#) [Calendar](#) [Breakfast & Lunch](#) [Library](#) [Safety](#) [Behavior Plan](#) [Graduation](#) [Counselors](#)

STUDENTS



Bell Times

DON'T BE LATE



View Your Grades

POWERSCHOOL LOGIN



Meals

WHAT'S ON THE MENU?



Calendar

BE IN THE KNOW



Library

SO MANY RESOURCES



Behavior Plan

STUDENT AND FAMILY GUIDE TO
SUCCESS



CLASS OF 2019



CLASS OF 2020



CLASS OF 2021



Excellence and High Expectations with a Commitment to All

Thomas A Edison Preparatory School's PSAT Registration

Students taking PSAT exams at Thomas A Edison Preparatory School on Wednesday - Oct 10, 2018 must register for exams here by 5:00 pm, September 21, 2018

Students must answer all of the questions on the following pages in order to complete the exam registration. A confirmation page indicates that the exam registration process has been successfully completed.

Thomas A Edison Preparatory School is excited to offer families the ability to pay their exam fees online at the time of registration. Please be sure to have a credit card or debit card available before beginning registration.

Registrations that are not paid by 5:00 PM, Monday, Sep 24, 2018 will be cancelled and exams will not be ordered.

Please contact Rachael McAnany, mcanara@tulsaschools.org if you have questions about financial assistance, or any other questions.

[Refund Policy](#)

WARNING! This is the test mode site. Students should not register here. Please contact Thomas A Edison Preparatory School to get the correct URL.

**Begin registering by entering the information below and clicking Next.
Your registration will only be complete after you reach the Confirmation Page.**

Please Enter Student's Email:

Student's First Name:

Student's Last Name:

Next