

**SAMPLE
STUDENT RESULT LETTER**

August 10, 2023

Score: 23

Percent Correct: 72%

EMPT Placement Level: 3

Teacher ID: 01

Period: 03

Thank you for participating in the North Carolina EMPT program. Please note your score and EMPT placement level shown above. The placement levels range from 4 (the highest) to 1 (the lowest). The maximum score on the test is 32.

A placement level of 3 indicates that a student is ready for a beginning-level college mathematics course. However, a Level 3 score may be considered borderline at some universities for students planning to major in math, science, or engineering. Taking remedial mathematics courses in college could increase the amount of time that it takes you to graduate. Potentially, this could cost you extra tuition and delay the start of your career.

However, you can do something about this. You have the remainder of your time in high school to take mathematics classes and improve your placement level. You can also note the math topics below that are aligned with your incorrect answers and review them online! We encourage you to continue your mathematical studies during the remainder of your time in high school. Please consult your mathematics teacher and/or guidance counselor for information about the best math course(s) for you take in the future.

Detailed test results!

YOUR NORTH CAROLINA EMPT TEST RESULTS SUMMARY

#	Objective	Correct Answer	Your Answer	#	Objective	Correct Answer	Your Answer
1	arrange fracs. in order by size	D	D	17	recognize function given data	A	A
2	solve linear equation	A	A	18	evaluate function	B	B
3	solve exponential equation	C	C	19	solve word problem: coord grid	B	C
4	solve word problem: circum	D	D	20	simplify using distrib property	A	E
5	find volume of box	B	B	21	solve word problem: percent	C	B
6	find zero of linear function	B	B	22	evaluate expression	C	C
7	model linear function	E	E	23	solve word problem: right triangle trig	A	A
8	solve formula for variable	B	B	24	find equation of linear function	D	D
9	apply Pythagorean Theorem	C	C	25	solve system of two linear eqs	E	D
10	apply midpoint formula	C	C	26	multiply numbers in scientific notation	C	A
11	evaluate using laws of exponents	E	E	27	solve quadratic equation	A	C
12	compare numbers	D	D	28	subtract rational expressions	A	A
13	simplify complex fraction	B	B	29	find equation of line	D	D
14	identify measure of central tendency	C	C	30	find angle measure in acute triangle	D	B
15	find quadratic function given zeros	E	E	31	apply distance formula	E	B
16	solve word problem: ratio and percent	A	A	32	solve word problem: linear function	A	E

Correct: 23

Incorrect: 9

Omitted: 0

Unscannable: 0

You would have needed 2 more correct answer(s) on the exam to reach Level 4.

See more information on the back. →

Customized paragraphs based on students' chosen major from questionnaire



You indicated that you wish to attend NC State University, and that you expect to major in humanities. The beginning math course(s) required for this major is(are) Topics in Contemporary Math OR Mathematics of Finance OR Pre-Calculus I OR Finite Math OR Elements of Calculus. If your NC EMPT Level is a 4 or 3, you are probably ready to begin with this(these) course(s). However, if your NC EMPT Level is a 2 or 1, you probably will need to take a remedial math course prior to beginning the math requirements for this major.

Below, please find your specific mathematics placement information from the school of your choice:



NC State University

Specific placement information from their choice of college

Entering freshmen at NC State University are able to enroll in MA 103, 105, 107, 111, and 114. Students wishing to take calculus must either receive the qualifying score on the SAT Math Level 2 Subject Test or take the ALEKS online math placement test which can be taken in May prior to their first fall semester.

To place into MA 121 (a 1-semester calculus course), a score of 480 is required, for MA 131 (a 2-semester calculus sequence) students must score 520 or above, and for MA 141 (a 3-semester sequence required for many science and engineering majors) students must receive a 550 or better on the SAT Math Level 2 Subject Test. Alternatively, credit from one of North Carolina's community colleges for MAT 171 will allow students to take either MA 121 or MA 131. Credit for MAT 171 and MAT 172 together will place a student into MA 141.

For more information about the NCSU Department of Mathematics, visit: <https://math.sciences.ncsu.edu>
For NCSU prerequisites and math course descriptions, visit: <http://catalog.ncsu.edu/course-descriptions/ma/>

We wish you the best in your continued studies!

*Please recall that your NC EMPT score is a “mathematical snapshot” only of your present post-secondary mathematical readiness for college & career mathematics. In particular, you must still satisfy a mathematics placement requirement through the university, community college, or career path that you may choose.

The NC EMPT test score does NOT substitute for your post-secondary mathematics placement requirement.