

## Student Achievement at Norfolk Public Schools – Fall 2022

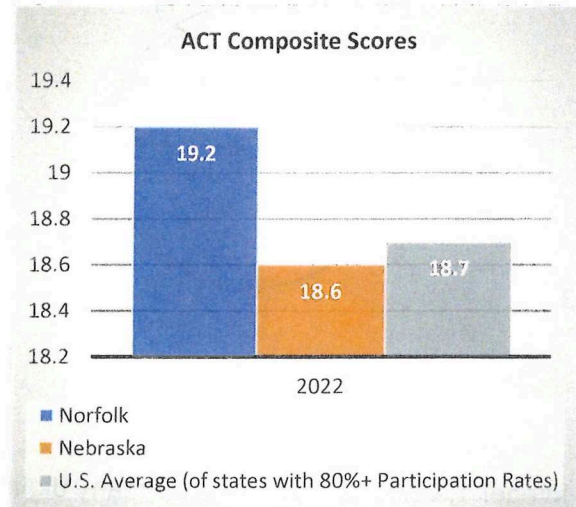
### Senior High NSCAS and ACT Achievement Results

The academic achievement level of our senior high students is measured by the nationally recognized ACT (American College Testing), using cut scores set by the Nebraska Department of Education (NDE) on the Nebraska Student Centered Assessment System (NSCAS).

- Norfolk’s average ACT score is above the national average (of states that test 80% or more of their students) and the state average.
- The state average is very near the national average.

**Sources:**

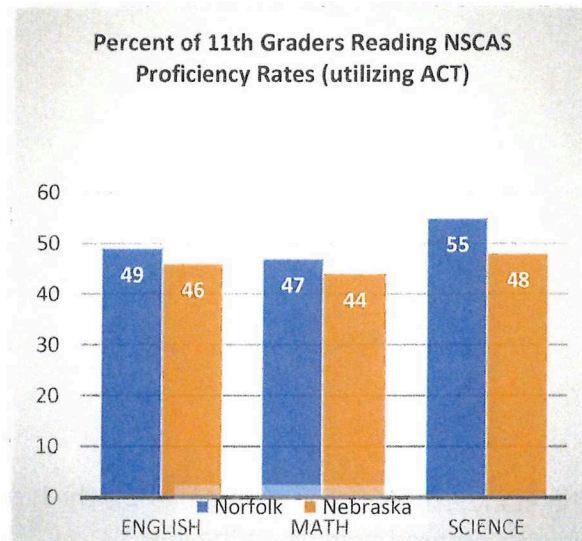
- <https://www.act.org/content/act/en/research/services-and-resources/data-and-visualization/grad-class-database-2022.html>
- <https://nep.education.ne.gov/>



However, despite our strong comparison to other states on the ACT, our NSCAS data indicates that less than 50% of Nebraska students and Norfolk students met NSCAS Proficiency benchmark levels in English-language arts and math. This is due to the high standards set by the Nebraska Department of Education. In their pursuit of academic excellence, they set our state benchmarks at levels that are *extremely hard to meet*.

The ACT is a better reflection of our overall performance, as their standards are the same for all students in every state across our nation.

Source: <https://nep.education.ne.gov/>



The U.S. News and World Report and WalletHub rank Nebraska as the 9<sup>th</sup> best state for K-12 education.

**Sources:**

- \*<https://www.usnews.com/news/best-states/rankings/education>
- \*<https://wallethub.com/edu/e/states-with-the-best-schools/5335>

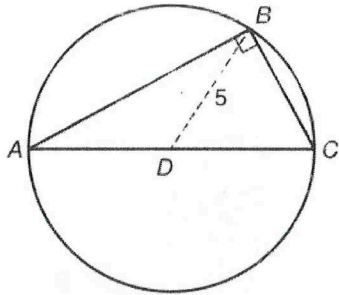
Sample ACT/NSCAS questions can be reviewed on the back of this handout and at:

<https://www.act.org/content/dam/act/unsecured/documents/Preparing-for-the-ACT.pdf>

## SAMPLE ACT Questions

1. Right triangle  $ABC$  is inscribed in a circle with center  $D$ , as shown below. Segment  $BD$  is 5 inches long. How many inches long is  $\overline{AC}$ ?

- A. 5
- B. 10
- C.  $5\sqrt{2}$
- D.  $5\sqrt{3}$
- E.  $10\sqrt{3}$



2. The integer 1,440 has 4 digits. How many digits are in the integer representation of  $12 \times 10^4$ ?

- A. 4
- B. 5
- C. 6
- D. 7
- E. 8

3. In the standard  $(x, y)$  coordinate plane, which of the following ordered pairs is on the line  $2x - y = 3$  for all values of  $x$ ?

- A.  $(x, -2x - 3)$
- B.  $(x, -2x + 3)$
- C.  $(x, 2x - 3)$
- D.  $(x, 2x + 3)$
- E.  $(x, 3x - 2)$

4. For a certain species of fish, Pet Palace recommends no more than 1 fish per gallon of water in an aquarium. The shape of Tito's aquarium is a rectangular prism. The sides measure 22 inches wide by inches long by 15 inches tall. The aquarium is filled with water to a depth of 12 inches. What is the maximum number of this species of fish recommended by Pet Palace for Tito's aquarium?

(Note: A gallon of water is about 231 cubic inches.)

- A. 3
- B. 4
- C. 9
- D. 11
- E. 19

5. Suppose  $p$  is any integer from 0 to 100 that is a perfect square. What is the total number of values of  $p$  such that  $\sqrt{\sqrt{p}}$  is irrational?

- A. 3
- B. 4
- C. 7
- D. 9
- E. 11

**Additional sample ACT questions available at:**  
<https://www.act.org/content/dam/act/unsecured/documents/Preparing-for-the-ACT.pdf>