

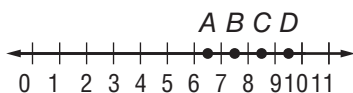
Standardized Test Practice

Read each question. Then fill in the correct answer on the answer document provided by your teacher or on a sheet of paper.

- The distance from Earth to the Sun is 92,900,000 miles. What is this number in scientific notation?
 - A. 92.9×10^6
 - B. 9.29×10^7
 - C. 9.29×10^6
 - D. 929×10^5

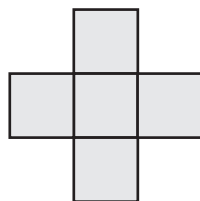
- GRIDDED RESPONSE** Ms. Leigh wants to organize the desks in the study hall into a square. If she has 64 desks, how many should be in each row?

- Between which two whole numbers is $\sqrt{66}$ located on a number line?



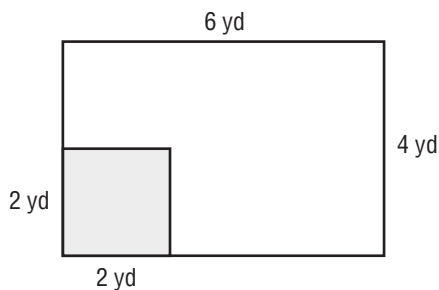
- F. 6 and 7
- G. 7 and 8
- H. 8 and 9
- I. 9 and 10

- SHORT RESPONSE** The area of each square in the figure below is 25 square units.



What is the perimeter of the figure?

- GRIDDED RESPONSE** Sarah wants to install new carpet in her living room. The small square is tiled and will not be carpeted. How many square yards of carpet will she need?



- SHORT RESPONSE** The area of a rectangle is $30m^{11}$ square feet. If the length of the rectangle is $6m^4$ feet, what is the width of the rectangle?

- The table shows the area in square miles of certain states.

State	Area (mi ²)
California	1.64×10^5
Ohio	4.48×10^4
Oregon	9.84×10^4
Vermont	9.62×10^3

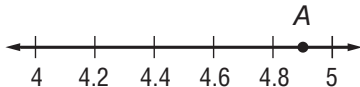
Which state has the greatest area?

- A. California
 - B. Ohio
 - C. Oregon
 - D. Vermont
- The mass of a paper clip is 9.4×10^{-4} kilogram. What is this mass in standard form?
 - F. 0.000000094 kg
 - G. 0.0000094 kg
 - H. 0.000094 kg
 - I. 0.00094 kg

9. What is the decimal form of the fraction $-\frac{1}{16}$?
- A. 0.0625
 - B. 0.07
 - C. -0.07
 - D. -0.0625

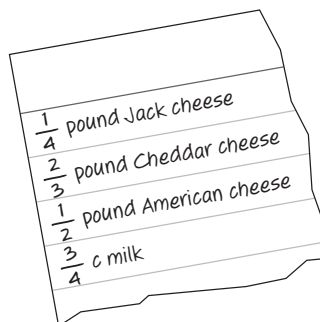
10. Which of the following is equivalent to $(-3)^{-3}$?
- F. -9
 - G. $\frac{1}{-27}$
 - H. $\frac{1}{27}$
 - I. 9

11. Which of the following is closest to point A on the number line below?




- A. $\frac{1}{2}$
- B. $\sqrt{20}$
- C. $\sqrt{24}$
- D. 480%

12. Part of a recipe for one batch of macaroni and cheese is shown below.



Which of the fractions shown is not a terminating decimal?

- F. $\frac{1}{4}$
 - G. $\frac{1}{2}$
 - H. $\frac{2}{3}$
 - I. $\frac{3}{4}$
13.  **EXTENDED RESPONSE** The container for a child's set of blocks is 9 inches by 9 inches by 9 inches. The blocks measure 3 inches by 3 inches by 3 inches.
- Part A** Describe how to determine the number of blocks needed to fill the container.
- Part B** Write and simplify an expression to solve the problem.
- Part C** How many blocks will it take?