

NAME _____

DATE 4/4/18

PERIOD 3rd

SCORE _____

Student Recording Sheet

Use this recording sheet with the Standardized Test Practice pages.

Fill in the correct answer. For gridded-response questions, write your answers in the boxes on the answer grid and fill in the bubbles to match your answers.

1. (A) (B) (C) (D)

2. (F) (G) (H) (J)

3. (A) (B) (C) (D)

4. _____

5. (F) (G) (H) (J)

6.

	/	/	/	/	/
•	•	•	•	•	•
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

7. (A) (B) (C) (D)

8. (F) (G) (H) (J)

9. (A) (B) (C) (D)

10.

	/	/	/	/	/
•	•	•	•	•	•
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

11. (F) (G) (H) (J)

12. _____

13. (A) (B) (C) (D)

14. _____

Extended Response

Record your answers for Exercise 15 on the back of this paper.

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Standardized Test Practice

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

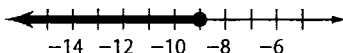
1. The table shows the membership cost for two CD clubs. How many CDs would you need to buy in a year in order for the total cost of both memberships to be the same?

CD Club Membership		
	Annual Fee	Cost per CD
Club #1	\$50	\$7.50
Club #2	\$35	\$8.00

- A. 30 CDs
 B. 25 CDs
 C. 20 CDs
 D. 15 CDs
2. Georgina wants to practice the piano for at least 45 minutes tonight. Which of the following inequalities represents this situation?
 F. $t \leq 45$
 G. $t < 45$
 H. $t \geq 45$
 J. $t > 45$
3. On Monday, the price of a share of stock was \$79. It fell \$3 each day for 11 consecutive days. Which of the following expressions could you use to find the price of the stock on any one of those days?

- A. $3d + 79$
 B. $3d - 79$
 C. $-3d + 79$
 D. $-3d - 79$

4. **SHORT RESPONSE** Write an inequality to represent the graph below.



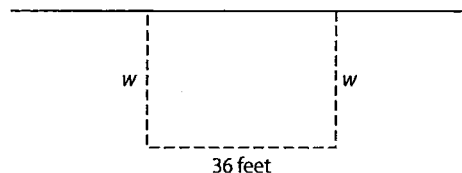
5. Jonathan has a gift card worth \$75. If each DVD costs \$12.50, how many DVDs can he buy if he spends no more than \$75?
 F. up to 6 DVDs
 G. more than 6 DVDs
 H. up to 7 DVDs
 J. more than 7 DVDs

6. **GRIDDED RESPONSE** Solve the equation.

$$7n - 11 = 3(12 - 4n) + 10$$

7. The difference between the highest and lowest elevations in Africa is 6051 meters. The lowest elevation is -156 meters. What is the highest elevation in Africa?
 A. 5739 meters
 B. 5895 meters
 C. 6051 meters
 D. 6207 meters

8. The equation $2w + 36 = 88$ represents the relationship between the width w of Daniel's yard and the total amount of fencing he has.




Solve the equation for w .


- F. $w = 18$ feet
 G. $w = 26$ feet
 H. $w = 44$ feet
 J. $w = 62$ feet

9. Five times the sum of a number and 15 is greater than 37. This number is represented by which inequality?

A. $n > -7\frac{3}{5}$
 B. $n \leq -7\frac{3}{5}$
 C. $n \geq 4\frac{2}{5}$
 D. $n < 4\frac{2}{5}$


10.  **GRIDDED RESPONSE** A bicycle rental company charges \$15 to rent a bike, plus \$4.75 for each hour the bike is rented. How much, in dollars, does it cost to rent a bike for 3 hours?

11. At the same time a 68-foot water tower casts a 48-foot shadow, a nearby tree casts a 15-foot shadow. How tall is the tree?
- F. 13 feet
 G. $21\frac{1}{4}$ feet
 H. 20 feet
 J. $25\frac{3}{4}$ feet

12.  **SHORT RESPONSE** Forty out of 48 freshmen and 42 out of 50 sophomores had perfect attendance last quarter. What fraction of each class had perfect attendance last quarter? Write your answers as a fraction in simplest terms and as a decimal. Which class had a greater percentage of students with perfect attendance?

13. Of the 12 students who achieved a varsity letter in water polo, 75% of them were also competitive swimmers. What is 75% of 12?

A. 3
 B. 4
 C. 9
 D. 10

14.  **SHORT RESPONSE** Describe when to flip the direction of an inequality symbol when solving inequalities. Support your description with an example.

15. **EXTENDED RESPONSE** The formula $C = \frac{5}{9}(F - 32)$ can be used to convert temperatures in degrees Fahrenheit, F , to degrees Celsius, C .

Part A Water boils when it reaches a temperature of 212° Fahrenheit. Write this temperature in degrees Celsius.

Part B Water freezes at a temperature of 0° Celsius. Write this temperature in degrees Fahrenheit.

Part C Solve the formula for F to find a new formula that converts temperatures from Celsius to Fahrenheit.