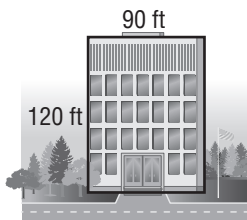


Standardized Test Practice

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

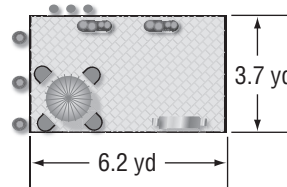
1. The perimeter of a rectangle can be found using the expression $2\ell + 2w$, where ℓ represents length and w represents width. Find the perimeter of the front of a new building whose design is shown below.



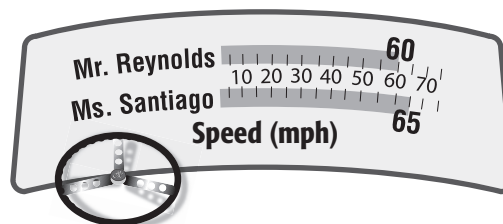
- A. 180 feet
B. 210 feet
C. 240 feet
D. 420 feet
2. Ora bought the variety pack of granola bars shown. The box contains 24 granola bars. How much does one granola bar cost?
- F. \$0.29
G. \$0.30
H. \$1.35
I. \$3.33
3. The cost of renting roller blades is \$4 plus \$3.50 for each hour that the roller blades are rented. Which expression can be used to find the cost in dollars of renting roller blades for h hours?
- A. $4h + 3.5$
B. $3.5 - 4h$
C. $3.5(h + 4)$
D. $3.5h + 4$



4. **GRIDDED RESPONSE** The Manny family is installing a large patio in their backyard. Find the area of the patio in square yards.



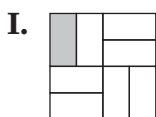
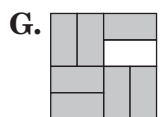
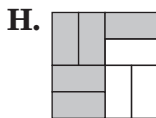
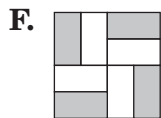
5. Which of the following illustrates the Distributive Property?
- F. $3(2x + 4) = 5x + 4$
G. $3(2x + 4) = 5x + 7$
H. $3(2x + 4) = 6x + 4$
I. $3(2x + 4) = 6x + 12$
6. **SHORT RESPONSE** What is the value of $45 \div (7 + 2) - 1$?
7. The table shows the constant speed that each driver is driving.



Using the Distributive Property, how many more miles will Ms. Santiago drive in 3 hours than Mr. Reynolds?

- A. 5 miles
B. 15 miles
C. 180 miles
D. 195 miles

8. Each figure below is divided into sections of equal size. Which figure has 87.5% of its total area shaded?



9. Which expression is NOT an example of the Commutative Property?

- A. $b - t = t - b$ C. $f + a = a + f$
 B. $rt = tr$ D. $5 \cdot d = d \cdot 5$

10. At a state fair, each person pays \$8 for admission plus \$2 for each ride. While at the fair, Elizabeth goes on 6 rides. Which expression can be used to find the total amount Elizabeth spends?

- F. $\$8 + 6 \times \2 H. $(\$8 + \$2) + 6$
 G. $(\$8 + \$2) \times 6$ I. $\$8 \times 6 \times \2

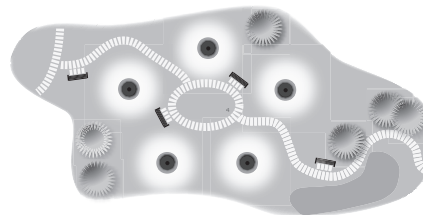
11. **GRIDDED RESPONSE** Norene is buying a coat that is on sale. Write 30% as a decimal.



12. Which expression is equivalent to $5 + 4^2 \times 2$?

- A. 21×2 C. $9^2 \times 2$
 B. $5 + 32$ D. $5 + 8^2$

13. **GRIDDED RESPONSE** A garden has five light poles in the positions shown.



A party planner wants to connect each light pole directly to each of the other poles with a string of lights for an outdoor party. The expression $\frac{n(n-1)}{2}$, where n represents the number of poles, can be used to determine how many strings are needed. How many strings are needed to connect the five poles?

14. **EXTENDED RESPONSE** Cary earns \$5 per hour raking leaves for her next-door neighbor. She owes her mom \$6.

Part A Suppose Cary raked leaves for h hours and paid her mother the \$6 she owed her. Write an expression to represent the amount of money Cary will have left.

Part B Use your expression from Part A to find how much money she will have left if she rakes leaves for 3 hours and pays her mother. Explain how you solved.