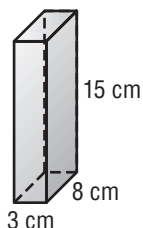


Standardized Test Practice

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

1. Olivia is placing a gift inside a box that measures 15 centimeters by 8 centimeters by 3 centimeters. What is the surface area of the box?



- A. 378 square centimeters
 B. 288 square centimeters
 C. 189 square centimeters
 D. 26 square centimeters
2. Sandi drinks the same amount of water every week as shown in the table.

Gallons of Water	8.5	17	25.5	34	■
Number of Weeks	1	2	3	4	5

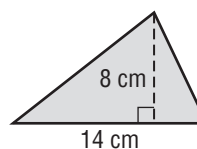
How many gallons of water does she drink in 5 weeks?

- F. 13.5
 G. 42
 H. 42.5
 I. 48
3. Rigo is buying a subscription to a sports magazine that costs \$2.19 per issue. Which of the following is a good estimate for the cost of 12 issues?
- A. \$12
 B. \$18
 C. \$24
 D. \$36

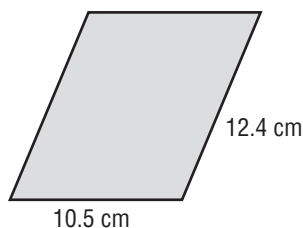
4. **GRIDDED RESPONSE** Mail Magic sells two different rectangular mailing boxes with the dimensions shown in the table. What is the volume of Box B in cubic inches?

	Length (in.)	Width (in.)	Height (in.)
Box A	16	10	8
Box B	10	8	8

5. What is the area of the triangle?



- F. 22 cm^2
 G. 44 cm^2
 H. 56 cm^2
 I. 112 cm^2
6. **SHORT RESPONSE** What is the area of the parallelogram shown below?

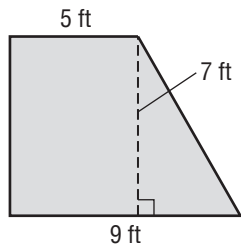


7. Which function rule describes the relationship between x , time traveled, and y , distance from home?

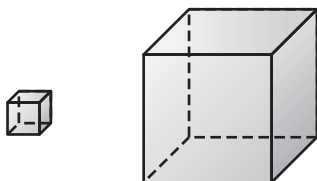
Time (h)	x	0	1	2	3
Distance from Home (mi)	y	0	65	130	195

- A. $65y = x$
 B. $y = 65 \div x$
 C. $y = x + 65$
 D. $y = 65x$

8.  **GRIDDED RESPONSE** What is the area of trapezoid shown below in square feet?

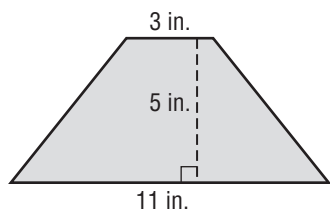


9. Super Toys makes two sizes of cube-shaped building blocks. The larger block has side lengths four times the side lengths of the smaller block. What is the ratio of the surface area of the small block to the surface area of the large block?



- F. 1 to 4
- G. 1 to 6
- H. 1 to 16
- I. 1 to 32

10.  **SHORT RESPONSE** Find the area of the trapezoid.



11. A rectangular prism has a surface area of 254 square meters, a height of 9 meters, and a length of 7 meters. What is the measure of the width of the prism?
- A. 4 m
 - B. 5 m
 - C. 6 m
 - D. 7 m


12. A rectangular prism has a volume of 60 cubic feet, a width of 2 feet, and a height of 3 feet. What is the measure of the length of the prism?

- F. 14 ft
- G. 13 ft
- H. 12 ft
- I. 10 ft

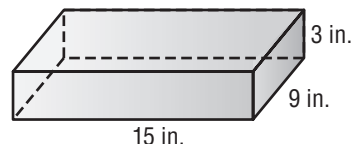
13. The table shows the cost of renting a booth at a fall festival. There is an initial charge for reserving a booth and a fee per day. What is the cost in dollars of renting a booth for all 7 days of the festival?

Days	0	1	2	3
Cost (\$)	50	90	130	170

- A. \$350
- B. \$330
- C. \$280
- D. \$70

14.  **GRIDDED RESPONSE** A rectangle has an area of 318 square centimeters and a width of 12 centimeters. What is the length of the rectangle in centimeters?

15.  **EXTENDED RESPONSE** Leora is gift-wrapping the box shown.



Part A Find the volume of the box.

Part B If each dimension is doubled, explain what happens to the volume.

Part C If only one dimension is doubled, what happens to the volume? Does it matter which dimension is doubled? Explain.