

Chapter Test, Form 1A

Read each question carefully. Write the letter for your answer on the line provided.

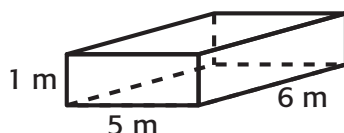
1. How many faces, edges, and vertices does a box of cereal have?

- A. 6 faces, 10 edges, 6 vertices
- B. 6 faces, 12 edges, 8 vertices
- C. 6 faces, 10 edges, 8 vertices
- D. 6 faces, 12 edges, 10 vertices

1. **B**

2. What is the volume?

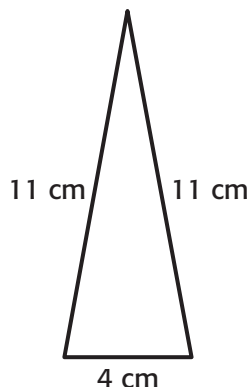
- F. 30 m^3
- G. 45 m^3
- H. 90 m^3
- I. 135 m^3



2. **F**

3. Classify the triangle by its sides.

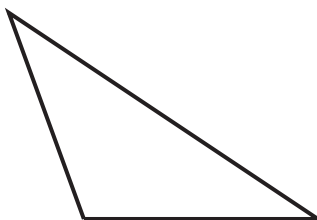
- A. acute triangle
- B. equilateral triangle
- C. isosceles triangle
- D. scalene triangle



3. **C**

4. Classify the triangle by its angles.

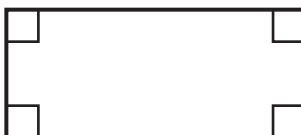
- F. equilateral triangle
- G. right triangle
- H. acute triangle
- I. obtuse triangle



4. **I**

5. Select one attribute that describes the quadrilateral.

- A. Both pairs of opposite sides are congruent and parallel.
- B. All sides are an equal length.
- C. There are no right angles.
- D. Only one pair of opposite sides are parallel.



5. **A**

Chapter Test, Form 1A *(continued)*

6. A store is stacking cans of food into a triangular display. The bottom layer has 11 cans. There are 6 layers. If there are two fewer cans in each layer, how many cans are in the display?

F. 34 cans H. 36 cans
G. 35 cans I. 37 cans

6. **H**

7. Adel makes a composite figure by stacking 4 rectangular prisms that are each 3 inches by 5 inches by 7 inches. Find the volume for the composite figure.

A. 420 in^2 C. 693 in^2
B. 420 in^3 D. 693 in^3

7. **B**

8. Mr. Ayala wants to fill a canister with peanuts. Which measurement does he need to find to determine the amount of peanuts that will fit?

F. area H. surface area
G. perimeter I. volume

8. **I**

9. Mrs. Smith stacked 6 cubes on top of one another to make a tower. If the tower is sitting on the floor, how many of the cubes' faces can Mrs. Smith see?

A. 24 faces C. 26 faces
B. 25 faces D. 30 faces

9. **B**

10. Shu Ping draws a regular hexagon. The total length of the sides is 30 feet. What is the length of one side?

F. 5 feet H. 7 feet
G. 6 feet I. 8 feet

10. **F**

11. Rosa drew a triangle with sides measuring 36 inches, 20 inches, and 24 inches. What type of triangle did Rosa draw?

A. equilateral triangle C. scalene triangle
B. acute triangle D. isosceles triangle

11. **C**