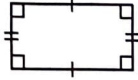


Choose the correct answer.

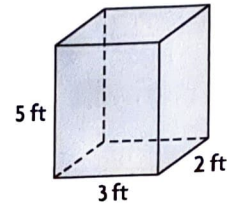
1. Tim's bedroom is shaped like this quadrilateral.



What type of quadrilateral is it?

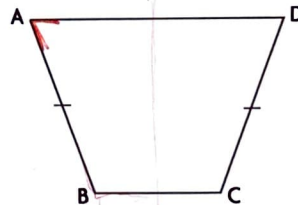
- A rectangle
 B square
 C rhombus
 D trapezoid
2. What kind of triangle has exactly 2 congruent sides?
- A equilateral
 B isosceles
 C scalene
 D right

3. Will moved a box of old newspapers from the back room of the library.



What is the volume of the box?

- A 10 cubic feet
 B 15 cubic feet
 C 30 cubic feet
 D 40 cubic feet
4. Stacy drew the trapezoid below.

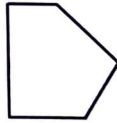


Which angles are congruent?

- A $\angle A$ and $\angle B$
 B $\angle C$ and $\angle D$
 C $\angle A$ and $\angle B$; $\angle C$ and $\angle D$
 D $\angle A$ and $\angle D$; $\angle B$ and $\angle C$

GO ON 

5. Mr. Diaz is building a fence around his yard. He drew a sketch of the fence line.



Which **best** describes the fence line?

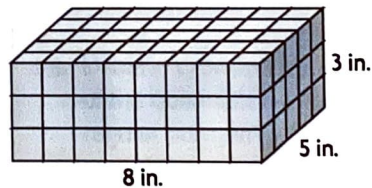
- A pentagon; regular polygon
 - B pentagon; not a regular polygon
 - C hexagon; regular polygon
 - D hexagon; not a regular polygon
6. Mi-Cha is making party hats. She starts by making 1 circular base. She then makes 1 curved surface for the main part of the hat. What three-dimensional figure does Mi-Cha make?

- A prism
- B sphere
- C cylinder
- D cone

7. Donald has 6 unit cubes. How many different rectangular prisms can he make using all 6 unit cubes?

- A 2
- B 3
- C 5
- D 7

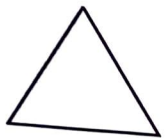
8. Barbie stacked small 1-inch cubes into a box until it was full. What is the volume of the box?



- A 18 cubic feet
- B 40 cubic meters
- C 120 cubic inches
- D 158 cubic meters



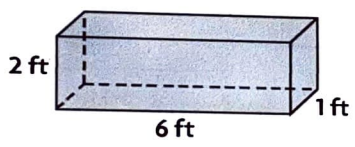
9. Amanda drew this triangle.



Which of the following **best** classifies the triangle?

- A equilateral, acute
- B isosceles, acute
- C scalene, acute
- D isosceles, right

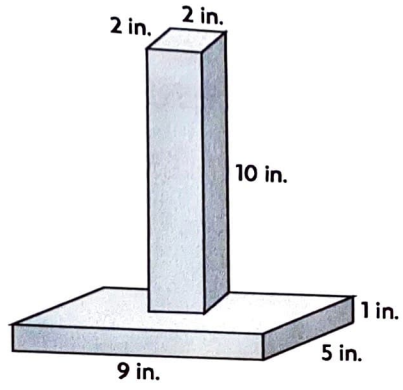
10. Dave packed up all of his fishing equipment into a box with the dimensions shown.



What is the volume of the box?

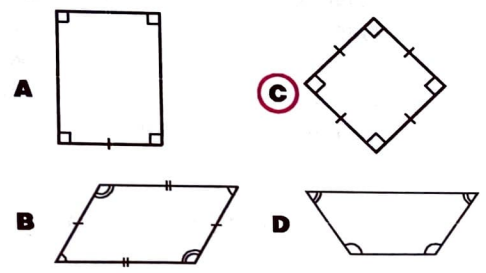
- A 9 cubic feet
- B 12 cubic feet
- C 14 cubic feet
- D 40 cubic feet

11. What is the volume of the composite figure?



- A 85 cubic inches
- B 180 cubic inches
- C 210 cubic inches
- D 1,800 cubic inches

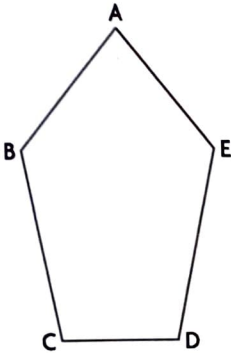
12. Danielle drew four quadrilaterals. Which of the quadrilaterals that she drew is a regular polygon?



GO ON

Write the correct answer.

13. Fred drew the pentagon below.



How should Fred fold the pentagon to determine if $\angle C$ is congruent to $\angle D$?

Possible answer: fold the pentagon

vertically so that side BC aligns

with DE

14. Patty drew a picture of the playground.



What type of quadrilateral is the playground?

trapezoid

15. An antique picture frame is the shape of a regular hexagon. Describe a regular hexagon.

Possible answer: a figure with 6

congruent sides and 6 congruent

angles

16. Ginger has 12 plastic bead containers. The containers measure 1 inch on each side. How many rectangular prisms, each with a different-sized base, could Ginger make by stacking all of the bead containers?

10 rectangular prisms

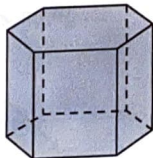
GO ON 

Name _____

17. A toy chest in the shape of a rectangular prism has a volume of 8,640 cubic inches. The base area of the toy chest is 720 square inches. What is the height of the toy chest?

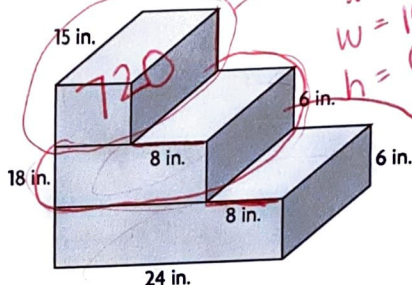
12 inches

18. Classify this solid figure.



hexagonal prism

19. What is the volume of the composite figure?



4,320 cubic inches

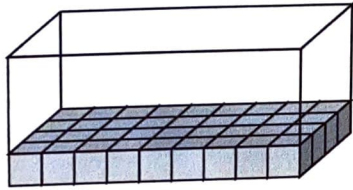
20. What is the **greatest** number of obtuse angles that a triangle can have?

1

GO ON 

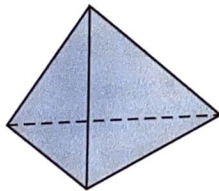
Name _____

21. Jessica packed 1-inch cubes into a box with a volume of 144 cubic inches. How many layers of 1-inch cubes did Jessica make?



4 layers

22. Odessa made this solid figure.



What solid figure did Odessa make?

triangular pyramid

23. Tom keeps sticky notes in a box that is the shape of a cube. Each side of the cube is 4 inches. What is the volume of the cube?

64 cubic inches

24. The volume of a small jewelry box is 36 cubic centimeters. If a large box holds about 9 small jewelry boxes, estimate the volume of a large box.

324 cubic centimeters

25. A mural in the school library is a quadrilateral with no right angles, 2 pairs of parallel sides, and 4 congruent sides. What type of quadrilateral is it?

rhombus

GO ON 