Unit 7 Math Test Review

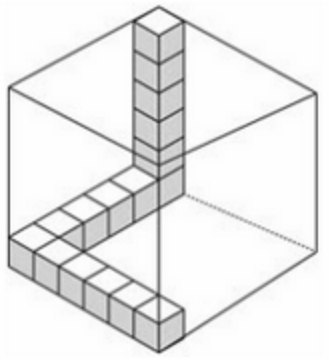
1. After looking at different crafts on Pinterest, Mrs. Davis decided to decorate her students' desks with ribbon. She knew she needed 2 feet of silver ribbon, a half foot of mustang blue ribbon and 1 foot of white ribbon for one desk. How many inches of ribbon did Mrs. Davis need to buy to decorate one desk?

2. Mrs. Houge loves to garden! She bought several plants for her yard. The plants and their masses are listed below:

rose bush	11 kg
cactus	8.4 kg
Mexican Heather plant	3.6 kg
Daisies	0.70 kg
Gardenia Plant	4.3 kg

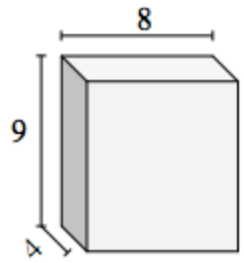
Which two plants have a combined mass of 12,000 grams?

3. If the figure below was completely filled with cubes, what would be the volume of the prism in cubic units?



4. Draw a picture of the following and label them: rhombus, right triangle, trapezoid, equilateral triangle.

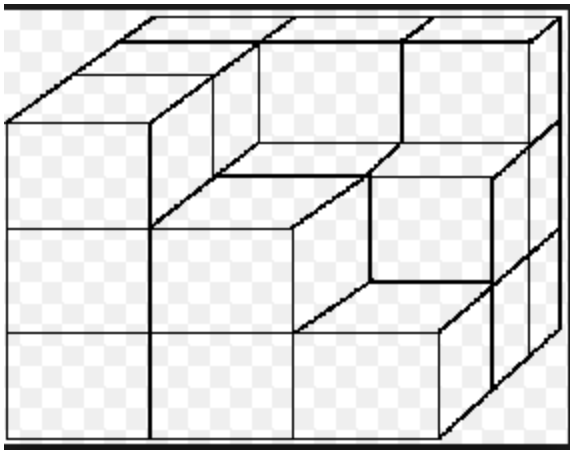
5. What is the volume of the prism below in cubic units?



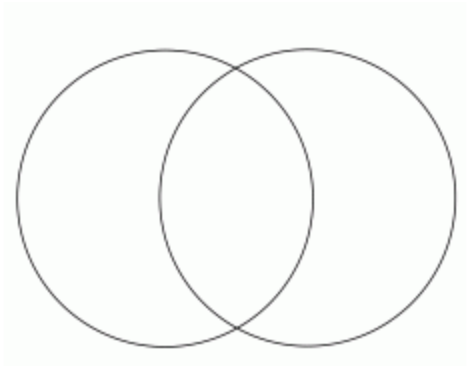
6. Mrs. Fornfeist is making orange juice. There is 8 times as much water as orange juice concentrate. If she used one gallon of water, how much orange juice concentrate did she use?

a. 1 quart
b. 1 pint
c. 2 pints
d. 6 cups

7. The figure below represents a rectangular prism with some unit cubes missing. How many more unit cubes are needed to fill in the rectangular prism?



8. Draw a circle around the venn diagram and then put a box around the entire thing. Fill in the venn diagram, outer circle and box using the following words: parallelogram, quadrilateral, rectangle, rhombus, square



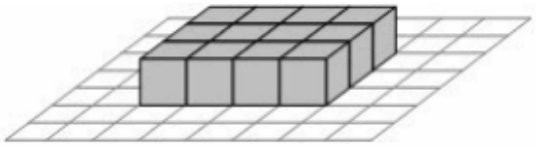
9. Windsong Intermediate is rewarding the 5th grade math teachers by sending them on a 2 week long trip to the destination of their choice. In addition to their purse, each teacher is allowed to bring one carry-on bag that has to be between 900 cubic inches and 1,000 cubic inches. Which dimensions represent a carry-on bag the teachers can use?

a. 7 in X 10 in X 11 in
b. 10 in X 12 in X 10 in
c. 8 in X 12 in X 10 in
d. 9 in X 10 in X 9 in

10. Ms. Correll loves to jump on a trampoline! The padding around her rectangular trampoline is worn out so she is going to replace it. Ms. Correll bought 61.234 meters of new trampoline padding. If the length of the trampoline is 14.831 meters and the width is 12.07 meters, how much padding will Ms. Correll need to return to the store?

11.

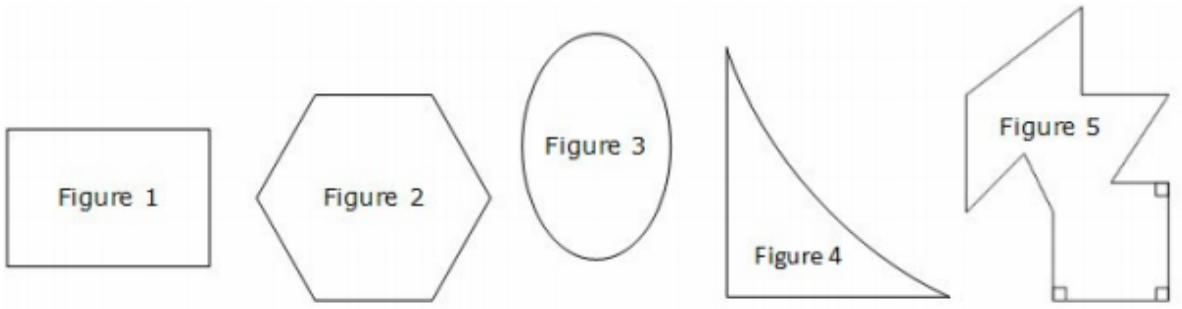
The figure below shows centimeter cubes placed on grid paper. These cubes form the base of a rectangular prism.



Which of the following shows the volume of the prism if 5 more layers are added on top of the base?

a. 64 cu cm because 4x4x4 = 64
b. 72 cu cm because 4x3x6 = 72
c. 12 cu cm because 4x3 = 12
d. not here

12.

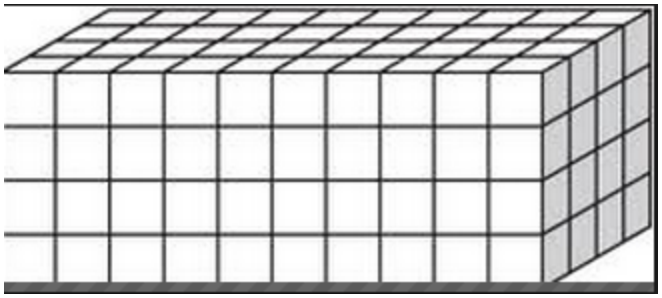


A. Which of the figures are regular polygons? Why?

B. not regular polygons? why?

C. are there any that aren't polygons at all? why?

13. What is the volume in cubic units of this model?



14. Mrs. Halata wants to decorate her daughter's room for her birthday. The room has an area of 450 square feet. She knows that the length of the room is 15 feet. She is going to line the top of the walls with streamers. How many feet of streamers does she need?
Hint: you must find the width of the room in order to find out the length of streamers to go along the **edge, or border** of the walls.

15.

A. Name all figures (shapes) that are quadrilaterals.

B. What is a parallelogram?

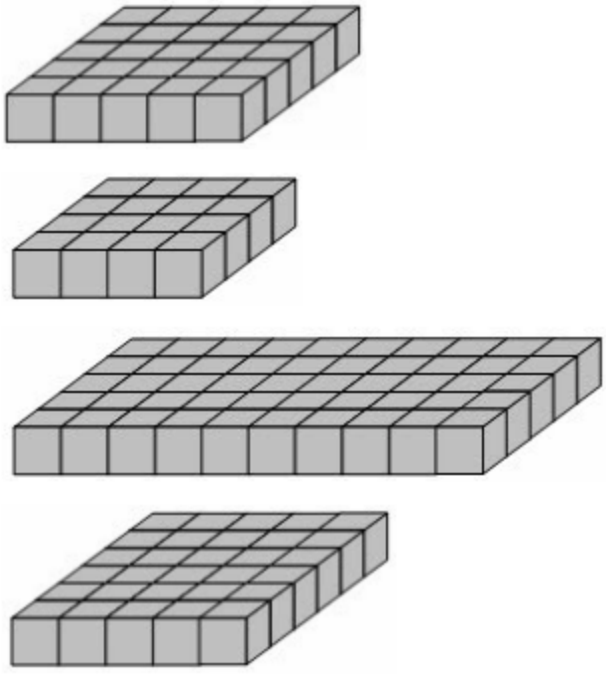
C. Which of the above figures (that you named in part A) can also be a parallelogram?

D. What figure only has one characteristic of a quadrilateral (4 sides)?

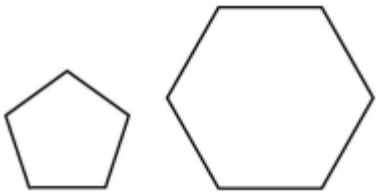
16. A rectangle has a perimeter of 45 ft. If the length is 12 ft, then what is the width? Draw and label the rectangle on your paper.

17. Mrs. Gomersalll ran 4,500 meters. How many kilometers did she run?

18. What are the two formulas for volume?



Look at the above bases. If Ms. Tollette finished building the prisms with centimeter cubes she would have a volume of 64. She knew that the length, width and height had the same number of cubes. Which figure shows the base of the prism that Ms. Tollette built?

19. 

What do the figures have in common?
How are they different?

20.