

Name _____

Due Date: 3/10/20

Test Date: 3/12/20

Unit 5 – Part 2 – Volume and Surface Area Review Sheet

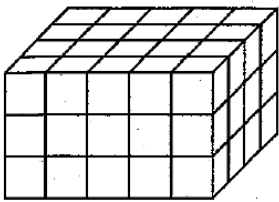
Use the following formulas to answer the questions for this review sheet.

Volume of a prism: $V = lwh$

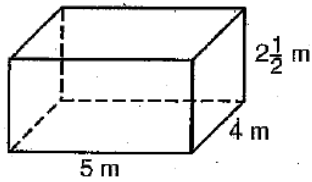
Surface Area of a Prism: $SA = 2(lw + wh + lh)$

Volume:

1. Find the volume of the rectangular prisms.



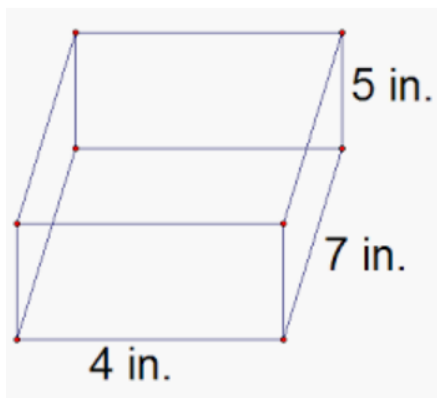
- 2.



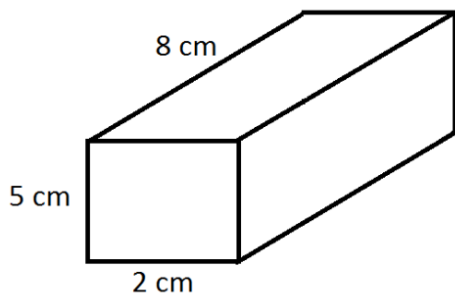
Solve, show all work

Explain in paragraph form how you found the volume, be sure to include the answer.

3. How many $\frac{1}{2}$ inch unit cubes will fit inside?

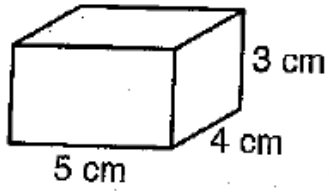


4. How many $\frac{1}{2}$ inch unit cubes will fit inside?

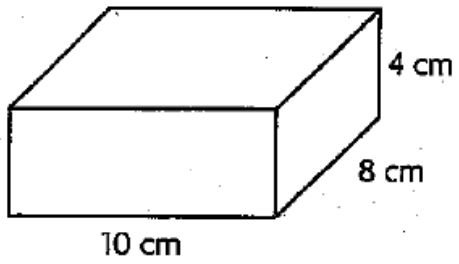


Surface Area:

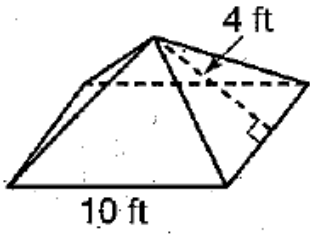
5. Find the surface area of the rectangular prism below.



6. Find the surface area of the rectangular prism below.

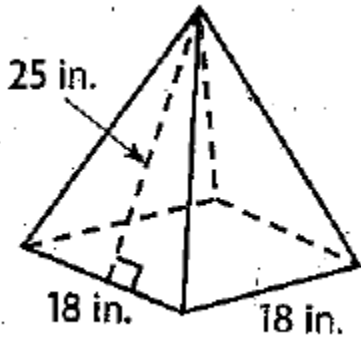


7. Find the surface area of the square pyramid below.



Base:	Triangles:
Total Area:	

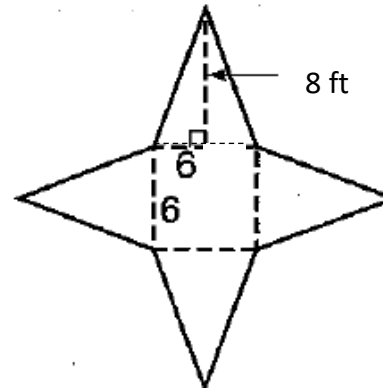
8. Find the surface area of the square pyramid below.



Base:	Triangles:
Total Area:	

9. Use the net of the square pyramid to answer the question below.

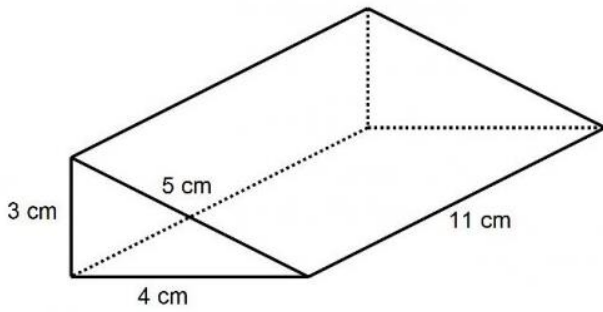
a. Ms. Perkins wants to paint this figure in the cafeteria. She would like to know how much paint to buy. If a quart of paint covers 4 square feet, how many quarts of paint will she need?



b. Will she have any leftover paint?

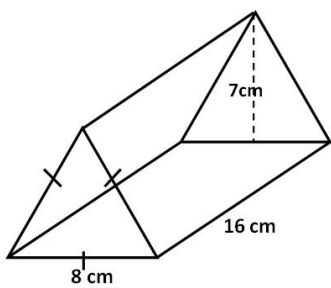
c. If one quart of paint costs \$10.25, how much will it cost Ms. Perkins to buy the paint?

10. Ms. Palace love cheese! I bought her a wedge of cheese shaped like a triangular prism. I need to determine how much paper I need to cover the cheese exactly. Can you find the amount of paper I will need for this special surprise?



Triangles:	Rectangles:
Total Area:	

11. Find the surface area of the triangular prism.



Triangles:	Rectangles:
Total Area:	

