

HW 6-7

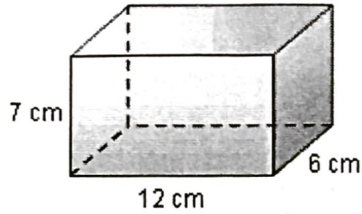
More Practice of Surface Area & Volume

Unit 6

Int 1

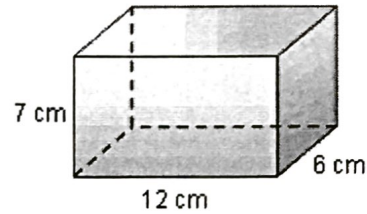
SHOW YOUR WORK and round all answers to the tenths place when necessary. Don't forget to label your answers with the appropriate unit of measure.

1. Surface Area

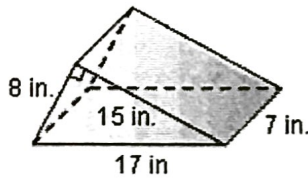


$$SA = 396 \text{ cm}^2$$

2. Volume

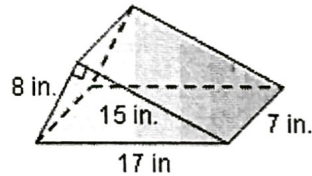


3. Volume

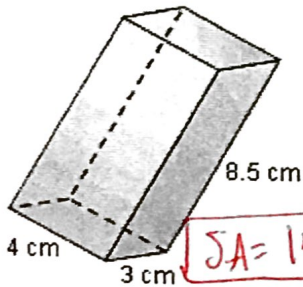


$$V = 420 \text{ in}^3$$

4. Surface Area

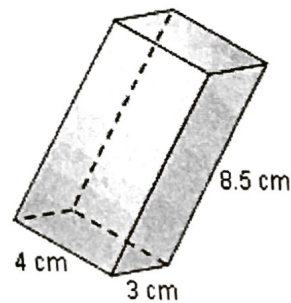


5. Surface Area



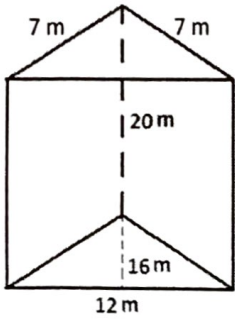
$$SA = 143 \text{ cm}^2$$

6. Volume

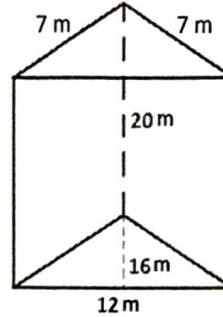


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7. Volume

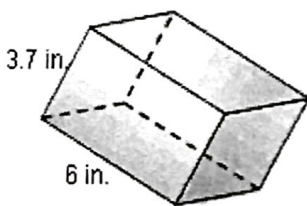


8. Surface Area



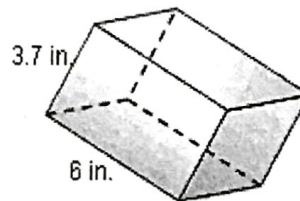
$$SA = 712 \text{ m}^2$$

9. The volume of this rectangular prism is 95.46 in^3 . What is the width?

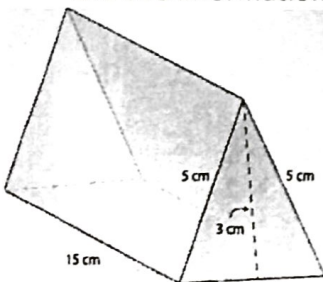


$$w = 4.3 \text{ in}$$

10. Now that you know the width of the rectangular prism (from problem #9) find the surface area.



11. The area of the base is 6 cm^2 .
Use this information to find the length of the base of the triangle.
The base of the triangle is 4 cm.
Use this information to find the volume.



12. Now that you know the base of the triangle, as found in problem #11, find the surface area.

