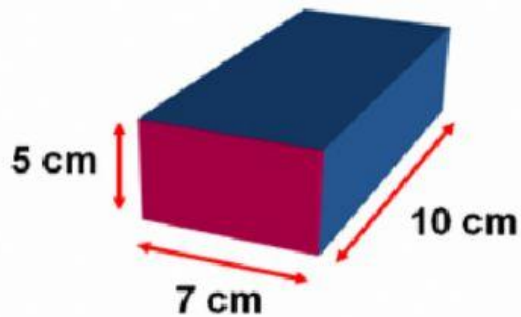


Chapter 10 - Volume and Surface Area

Find the Volume and Surface Area:

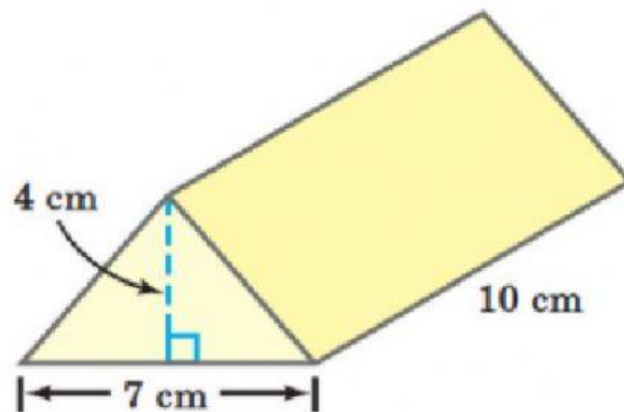
1.



Volume = cubic cm.

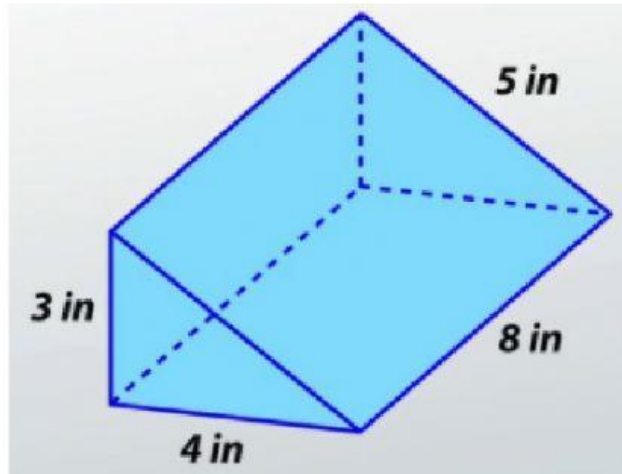
Surface Area = square cm.

2.



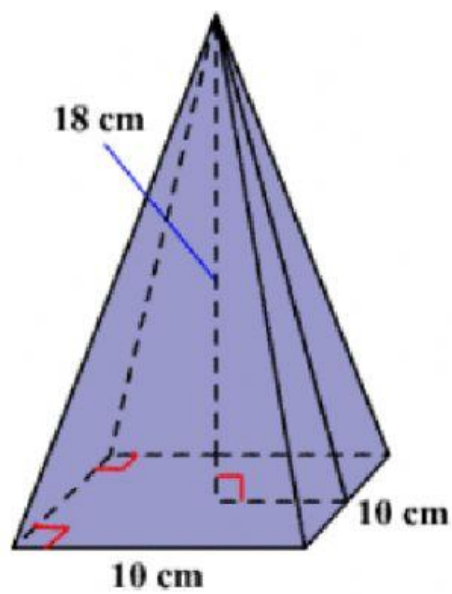
Volume = cubic cm.

3.



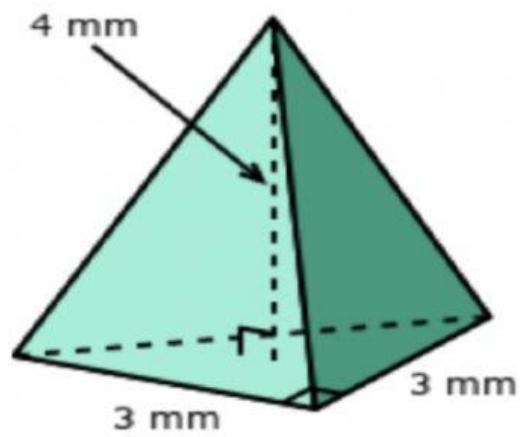
Surface Area = square in.

4.



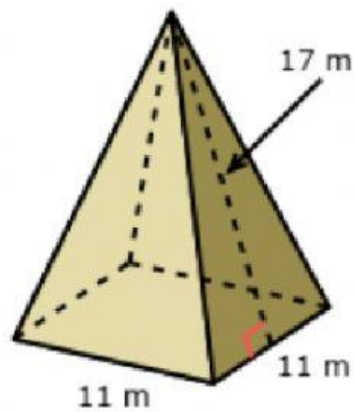
Volume = cubic cm.

5.



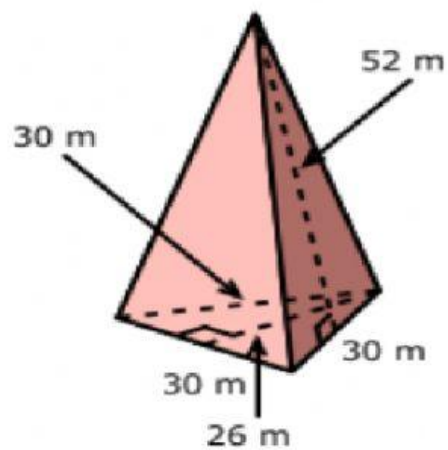
Volume = cubic mm.

6.



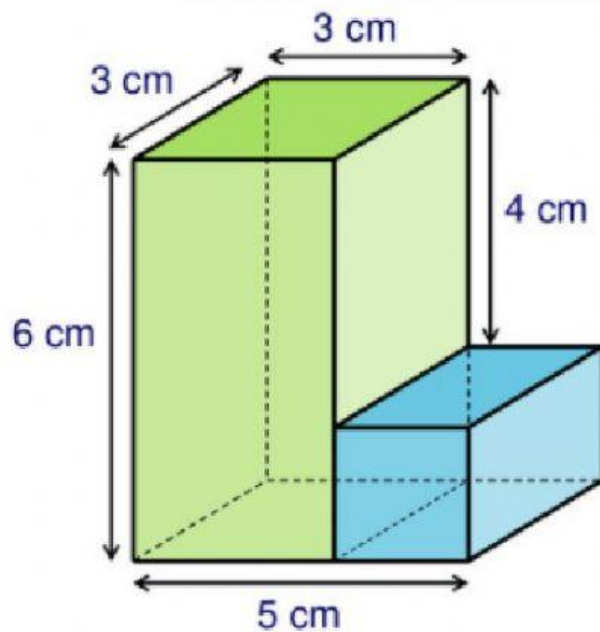
Surface Area = square m.

7.



Surface Area = square m.

8. Find the volume and Surface Area:



Volume = cubic cm.

Surface Area = square cm.

Volume and Surface Area Formulas:

1. Volume of Rectangular prism = $L \times w \times h$
2. Surface Area of Rectangular prism
= $2 \times L \times w + 2 \times w \times h + 2 \times h \times L$
3. Volume of Triangular prism = $b \times h \times H \div 2$
(multiply 3 numbers $\div 2$)
4. Surface Area of Triangular prism
= Area of 2 Triangles + Area of 3 Rectangles
5. Volume of Pyramid = Base area $\times$ height $\div 3$

For Square Pyramid = side $\times$ side $\times$ height $\div 3$

For Triangular Pyramid = $b \times h \times H \div 6$

Surface Area = $P \times L \div 2 + B$

(P = Perimeter of the base, L = Slant height)