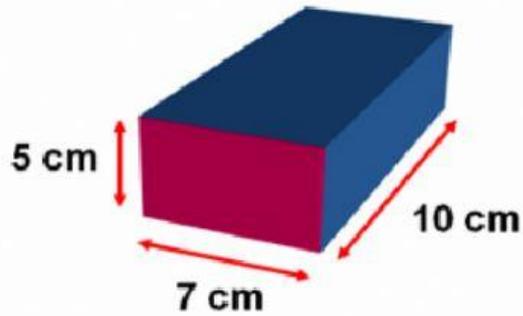**Chapter 10 - Volume and Surface Area**

Find the Volume and Surface Area:
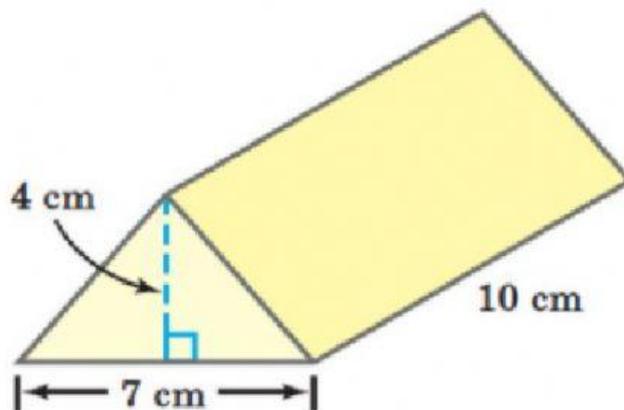
1.

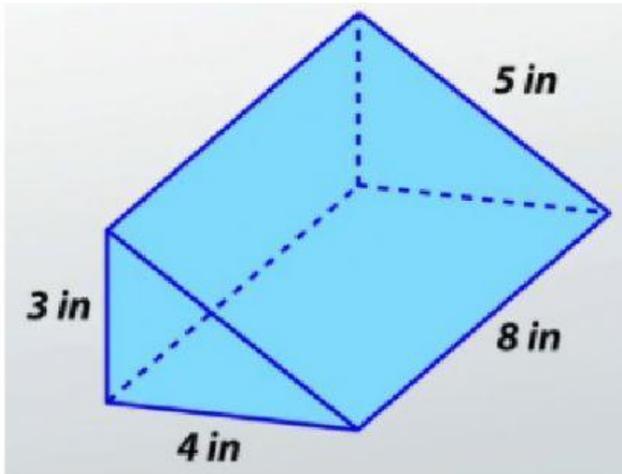Volume =   cubic cm.

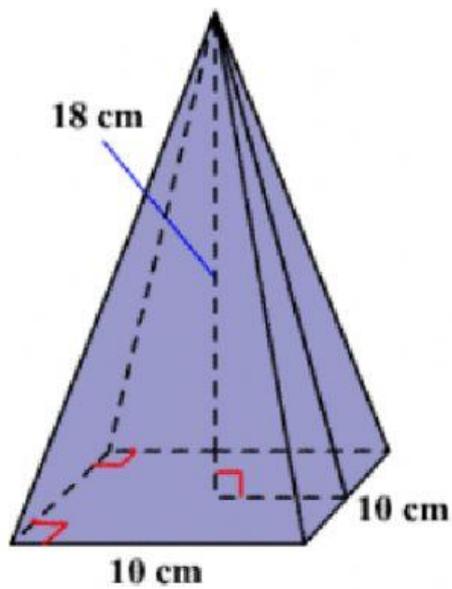Surface Area =   square cm.

2.

Volume =   cubic cm.

3.

5 in

3 in

8 in

4 in

Surface Area =   square in.

4.

18 cm

10 cm

10 cm

Volume =   cubic cm.

5.

4 mm

3 mm

3 mm

Volume =   cubic mm.

6.

17 m

11 m

11 m
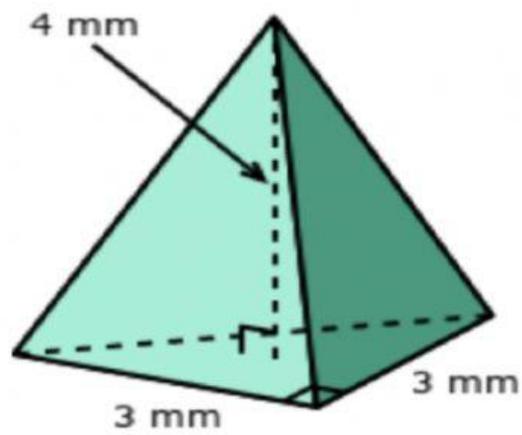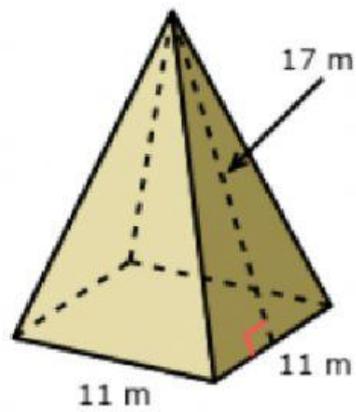
Surface Area =   square m.

7.

52 m

30 m

30 m

30 m
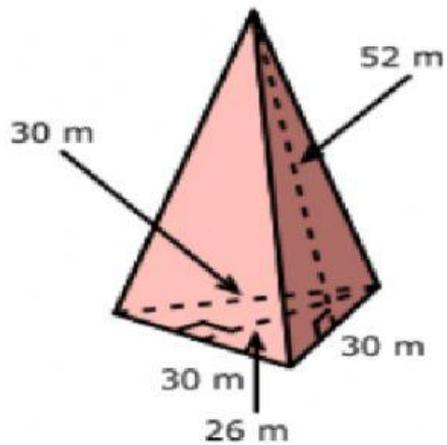
26 m

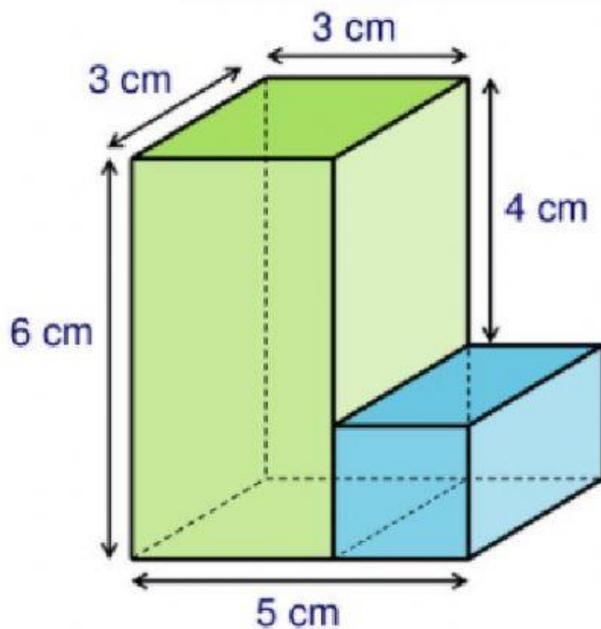Surface Area =   square m.

8. Find the volume and Surface Area:

3 cm

3 cm

4 cm

6 cm

5 cm

Volume =   cubic cm.

Surface Area =   square cm.

Volume and Surface Area Formulas:

1. Volume of Rectangular prism = L x w x h

2. Surface Area of Rectangular prism
   = 2 x L x w + 2 x w x h + 2 x h x L

3. Volume of Triangular prism = b x h x H ÷ 2
   (multiply 3 numbers ÷ 2)

4. Surface Area of Triangular prism
   = Area of 2 Triangles + Area of 3 Rectangles

5. Volume of Pyramid = Base area x height ÷ 3

   For Square Pyramid = side x side x height ÷ 3

   For Triangular Pyramid = b x h x H ÷ 6

   Surface Area = P x L ÷ 2 + B
   (P = Perimeter of the base, L = Slant height)