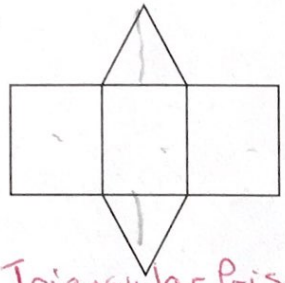
Practice

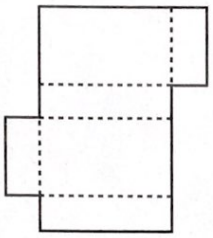
1. Name the solid figure formed by each net.

a.



Triangular Prism

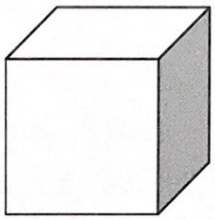
b.

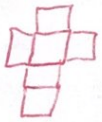


Rectangular Prism

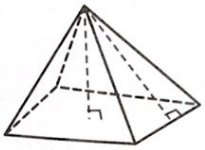
2. Draw a net that will form each solid figure.

a.

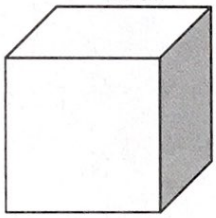




b.



3. Calculate the surface area of the cube.

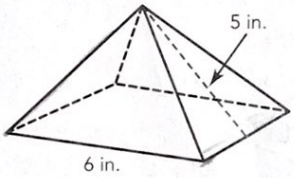


SA = 2(area of Front/Back) + 2(area of Lft/Rt) + 2(area of Top/Bott)

SA = 6(area of face)

= 6(1.8)

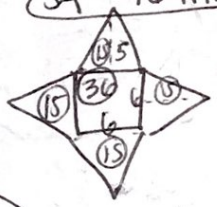
4. The pyramid shown has a square base and congruent triangular faces. Calculate the surface area of the pyramid.



SA = 36 + 15×4

= 36 + 60

SA = 96 in.²



5. Estimate and then calculate the surface area of a rectangular prism with a length of 9.06 ft, a width of 4.11 ft, and a height of 6.2 ft.

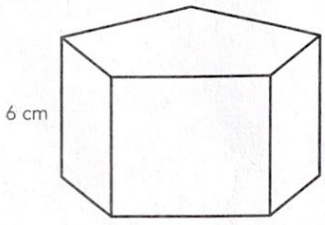
Est: 2(9×6) + 2(6×4) + 2(9×4)

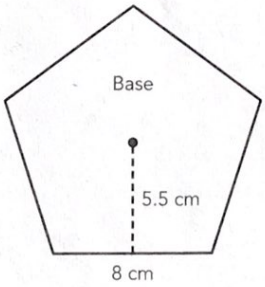
= 108 + 48 + 72

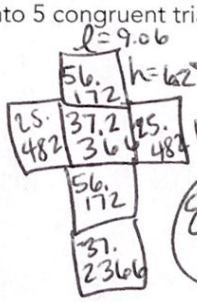
Estimated SA = 228 ft.²

Stretch

A pentagonal prism has pentagons as bases. Each base can be divided into 5 congruent triangles. Determine the surface area of this pentagonal prism.







Exact SA = 237.7812 ft²