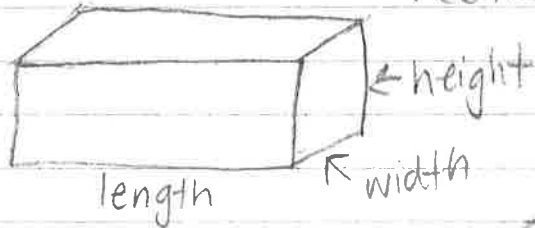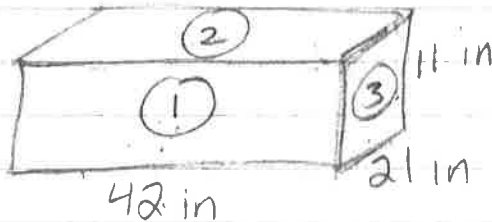Finding Surface Area of a
Rectangular Prism

Surface Area → the total area of
all the faces of the
rectangular prism.

length   width   ←height

Example:

42 in   21 in   11 in

Step 1) Find the area of each face

① 42 in × 11 in = 462 in²

② 42 in × 21 in = 882 in²

③ 21 in × 11 in = 231 in²

Step 2)   462 in² × 2 = 924 in²
                                    +
          882 in² × 2 = 1,764 in²
                                    +
          231 in² × 2 = 462 in²
          _____

Step 3) Add all areas   3,150 in²
           together