New Table
Units in Inches

Length (L)
13 $^{1/2}$
Width (W)
10
Height (H)
17 $^{1/8}$
SIDE
FRONT
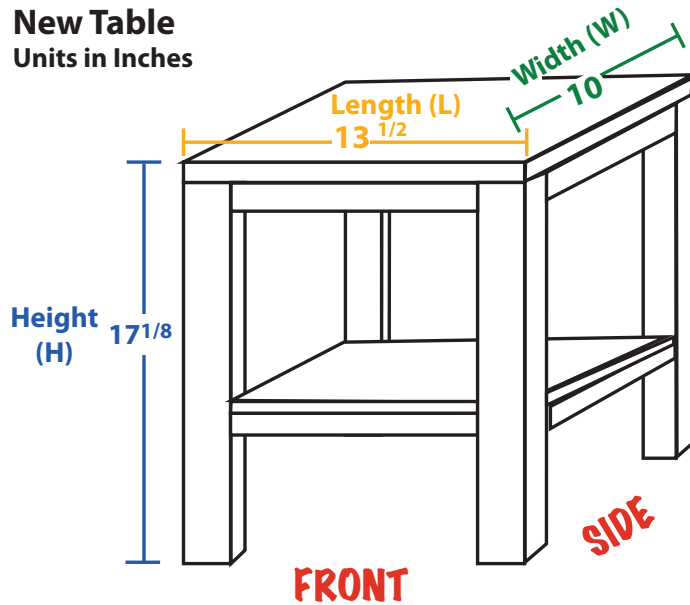
1. Measurement Check

New Table illustrates the total Height, Width and Length.

Add or Subtract fractions to find the LENGHT of Support Beam on the FRONT and SIDE of Table.
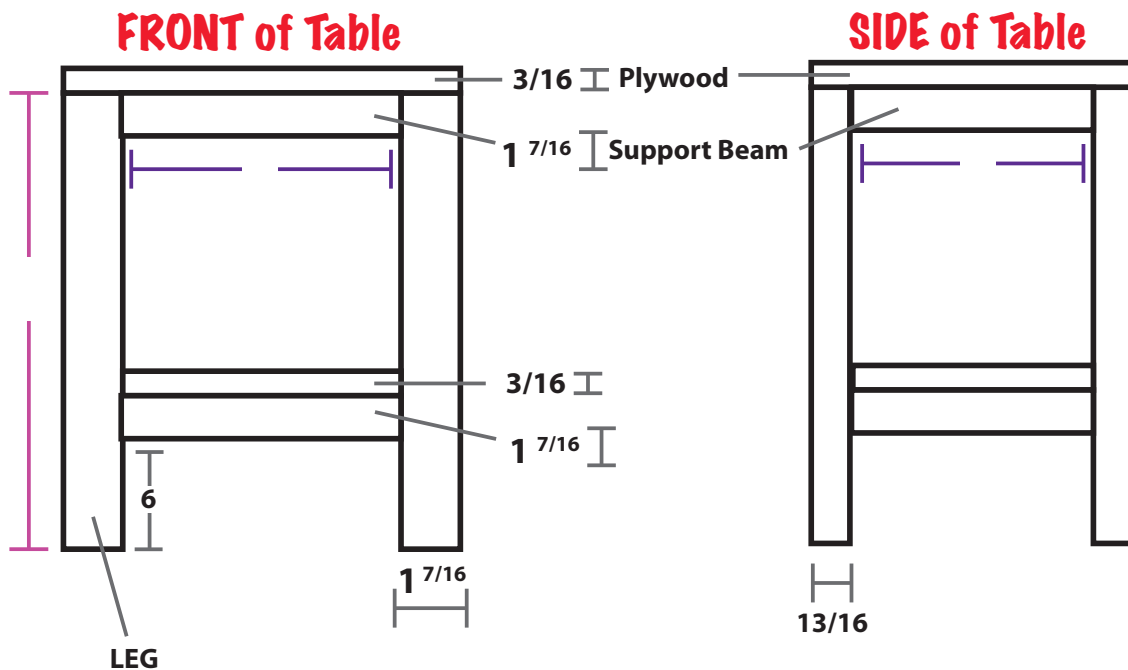
<u>**FRONT of TABLE**</u>

1. To find the **Height** of **LEG,** Subtract Height of Table from the Thickness of Plywood. (We need 4 Legs)

Height of table leg = $17^{1/8} – 3/16 = 16\ ^{15/16}$

2. To find **Length** of **Support Beam**, Subtract Length of both LEGS from Table Length. (We need 4 Support Beams)

Length of Support Beam= $1^{7/16} + 1^{7/16} = 2^{14/16}$

$13\ ½ - 2^{14/16} = \mathbf{10\ ^{10/16}}$

We need (4) Support Beams @ **$10\ ^{10/16}$**

FRONT of Table

3/16 Plywood
1 $^{7/16}$ Support Beam
3/16
1 $^{7/16}$
6
1 $^{7/16}$
LEG

SIDE of Table

13/16

SIDE of TABLE

3. Find **Length** of **Support Beam** only. Subtract Length of both LEGS from Table Width.
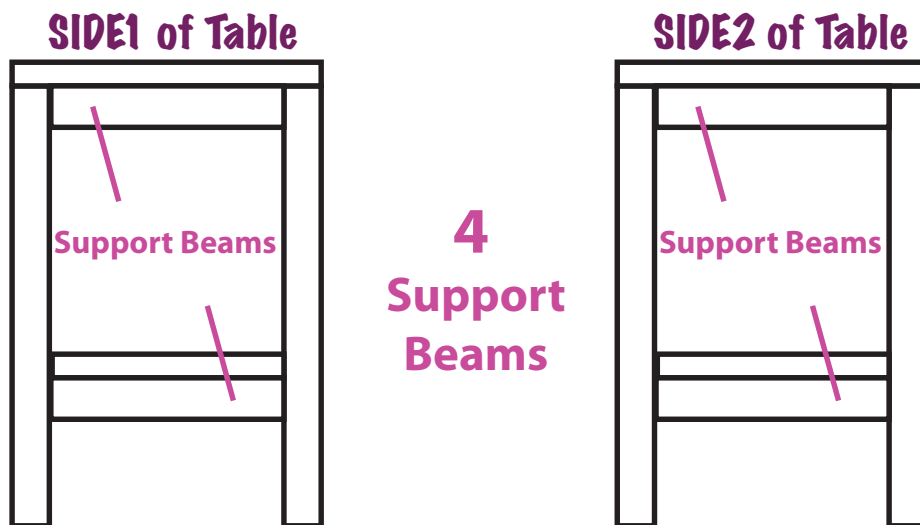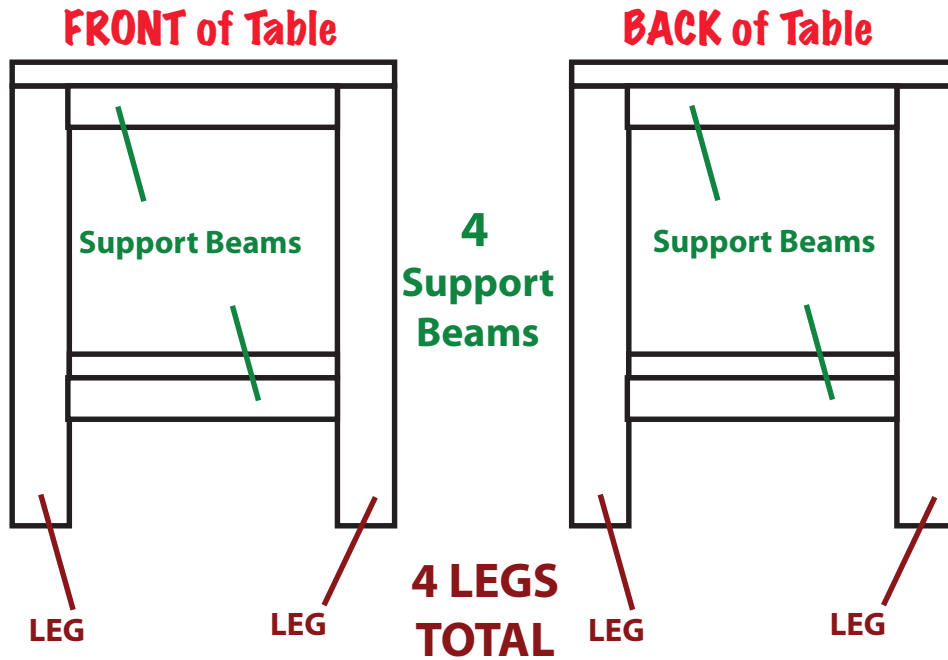   **Length of Support Beam= 13/16 + 13/16 =$1^{10/16}$**
                          $10 - 1^{10/16} = 8^{6/16}$
    We need (4) Support Beams @$8^{6/16}$

   **(**note** we can also use various operations and formulas to get this answer)**

Measure and Cut Lumber (Wear Gloves and Safety Goggles)

FRONT of Table   BACK of Table

Support Beams   Support Beams

4
Support
Beams

LEG   LEG   LEG   LEG

4 LEGS
TOTAL

SIDE1 of Table   SIDE2 of Table

Support Beams   Support Beams

4
Support
Beams

1.   We'll begin with the legs. Measure lumber with yardstick and mark the pencil then use the triangle to make straight line off the straight edge. Make the marking all around the lumber, use triangle for accuracy.

2. We need a total of 4 legs. **Measure after each cut for accuracy.**
3. Place Wood Mitre Box on edge of table, place the 2x4 on top of Mitre Box underneath the LEG lumber.
    a. If no Mitre Box Clamp directly on table. (best route)
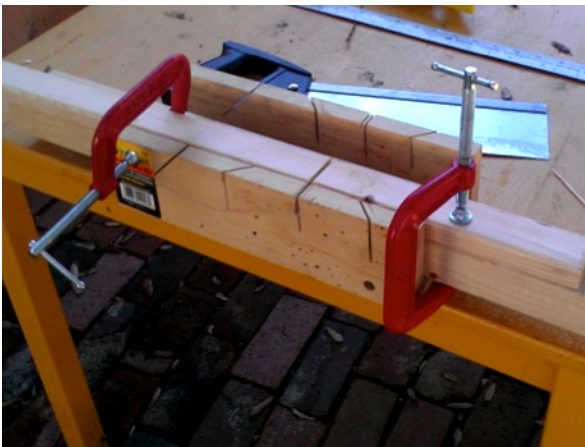
4.   Use handsaw and follow drawn line. ****Use a partner to hold down wood material.**
5.   Saw slowly and you wont get hurt.
    a.   **Gloves and safety goggles are a must!**
6.   Follow this same procedure for **FRONT**

and SIDE SUPPORT BEAMS.
    a. **(4)Front Support Beams @10 $^{10/16}$**
    b. **(4) Side Support Beams @8 $^{6/16}$**
7. **Label your Beams**
    a. **(ex. Leg1, Side2)**