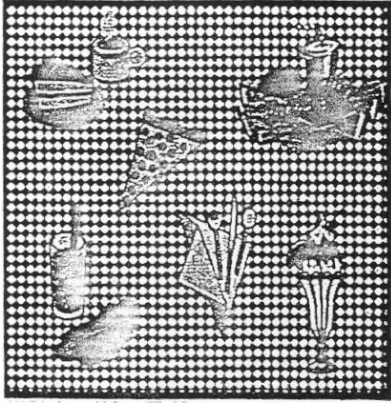# Fast Food Factory Guide

You have applied for a job as a short order cook at the Fast Food Factory in touristy Triangleville. In order to get the job, you must demonstrate that you can prepare the foods for which the Fast Food Factory is famous. See menu below.
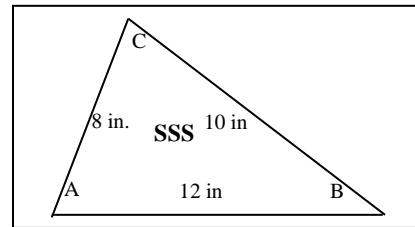
Fast Food Factory
Menu

SSS	Spicy Summer Sausage
AAA	Awesome Authentic Anchovy
SAS	Succulent Aromatic Swine
SSA	Super-Sized Antelope
ASA	Appetizing Sesame Avocado
AAS	Aunt Annie's Steak
HL	Horrible Liverwurst

Make each of the triangular sandwiches by
1. Reading the specifications below.
2. Drawing the sandwich using the construction guidelines provided.
3. Labeling each triangle correctly.
4. Cutting out the triangle.
5. Put your name on the back of the sandwich, because many people have applied for this position as short-order cook.
6. Make sure that each triangular sandwich you create contains all of the prescribed (given) information.
7. Label with the name of the sandwich.

Be sure to wash your hands before preparing foods!

Triangle with C at top, A at bottom left, B at bottom right. AC = 8 in., CB = 10 in, AB = 12 in, labeled SSS.

Sandwich Specifications

SSS: Make $\triangle ABC$ with:
AC = 4 cm
BC = 5 cm
AB = 6 cm

SSA: Make $\triangle ABC$ with:
AB = 7 cm
BC = 5 cm
m∠A = 40°

AAA: Make $\triangle ABC$ with:
m∠A = 60°
m∠B = 80°
m∠C = 40°

ASA: Make $\triangle ABC$ with:
m∠A = 60°
AB = 4 cm
m∠B = 40°

SAS: Make $\triangle ABC$ with:
AB = 8 cm
m∠A = 40°
AC = 7 cm

AAS: Make $\triangle ABC$ with:
m∠C = 110°
m∠B = 40°
AB = 7 cm

HL: Make $\triangle ABC$ with:
m∠A = 90°
CB = 5 cm
and one leg = 3 cm