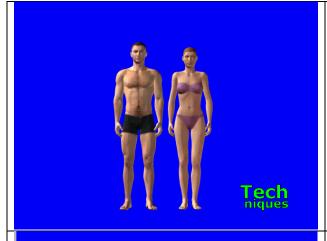
Mimidolls.Com Presents:

General Techniques: Scale and Proportion

Mimidalls. Com for the serious cloth dollmaker Presents:	
Mimi's Mannequins	
General Techniques Anatomy: Scale & Proportion	
by Gloria J. "Mimi" Winer Mimidolis.Com	
Mimi's Mannequins Male & Female Cloth Dolls 4-Day Dollmaking Workshop Classroom on a DVD Available June, 2012	



This is Victoria 4 and Michael 4. They are 3-dimensional models of the human body by DAZ Studios. They are displayed in the Poser 7 animation program.

When Mimi makes a doll with an extreme pose, I model it first in Poser. When she approves the model, I print out front, sides, and back views in the size that she uses for dolls.

Then she sculpts any necessary pieces in clay and drapes them to create the doll pattern. When the doll is sewn and stuffed, she adjusts the pattern for any corrections and makes a new doll.

When the finished dolls look like the sculpture, we have a new doll pattern.



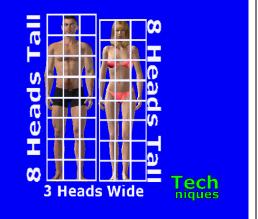
When Mimi makes a doll, she uses quarter scale, that is: ¼ life-size or.

- ¼ inch on the doll = 1 inch on a real person, or
- 1 cm on the doll = 4 cm on a real person.

Scale determines the relationship of the doll to other figures and to props.

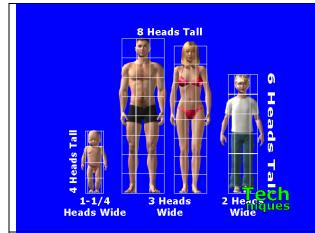
Quarter scale is convenient because:

- Many objects are available in quarter-scale size.
- Many fabrics and trims are available with quarter-scale patterns.
- Quarter-scale dolls are a convenient size for collectors. They don't take up too much space.
- Quarter scale dolls are the easiest to make. You don't need to be as precise about sewing as you must for smaller dolls, and stuffing takes less work than for larger dolls.



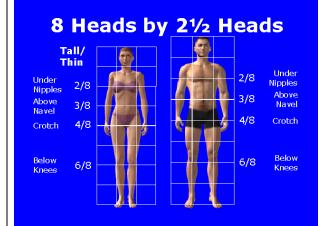
Proportion is the relationship between a figure and parts of itself.

Adult figures are 8 head-lengths tall and 3 head-widths wide.



Proportion changes with age, but not with size. Babies, children, teens, adults, and matures have slightly different proportions. Unless the proportions match the apparent age of the figure, we find the doll jarring or unpleasant.

You can make better dolls just by making sure the proportions match the age.



Most adults are 7-1/2 heads tall. That is, if you measure from the top of the head to the bottom of the chin , the total height of the figure is 7-1/2 times the height of the head. For artistic figures (such as dolls), we usually use 8 heads rather than 7-1/2. It makes things much easier and looks better that real life.

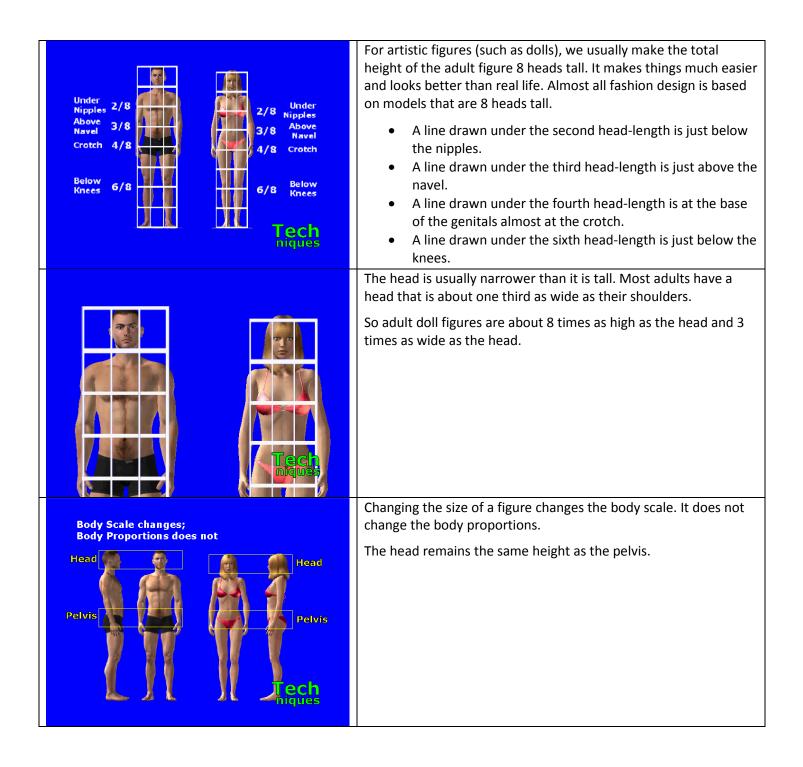
- A line drawn under the second head-length is just below the nipples.
- A line drawn under the third head-length is just above the navel.
- A line drawn under the fourth head-length is at the base of the genitals almost at the crotch.
- A line drawn under the sixth head-length is just below the knees.

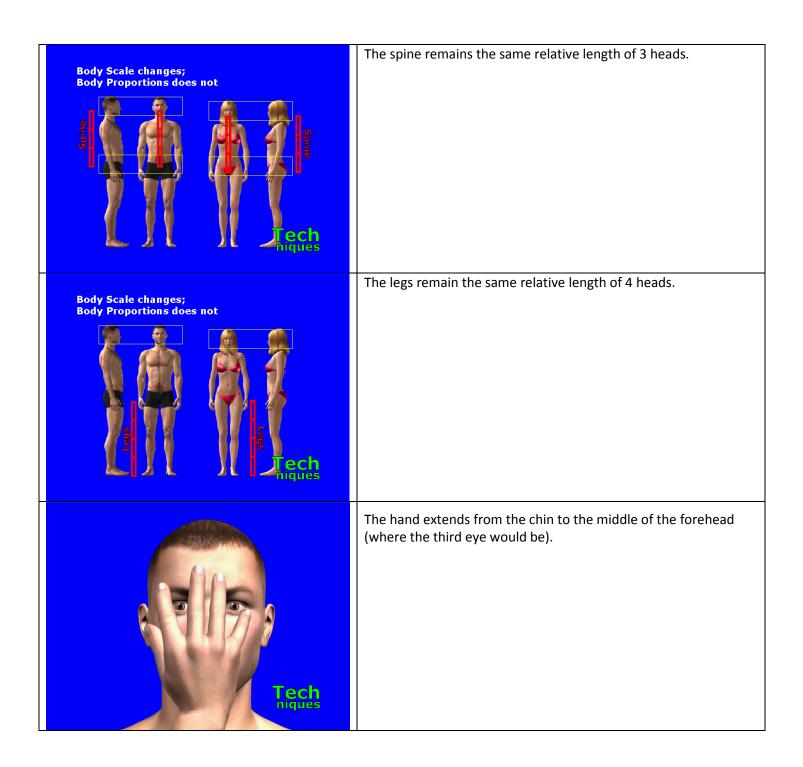


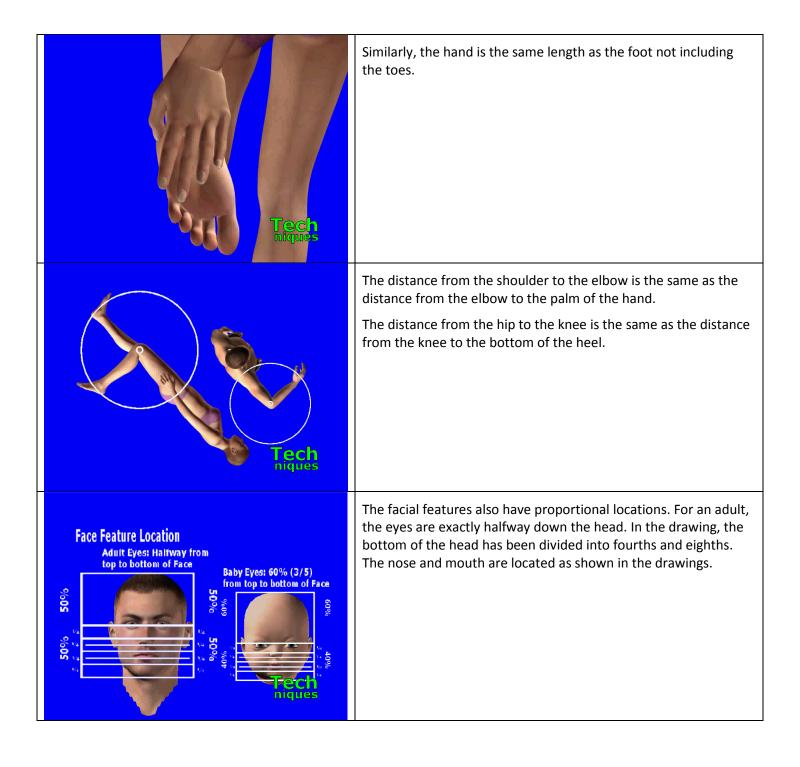
Changing the size of the body does not change the relative sizes of body parts. Changing the body size allows for different physiques:

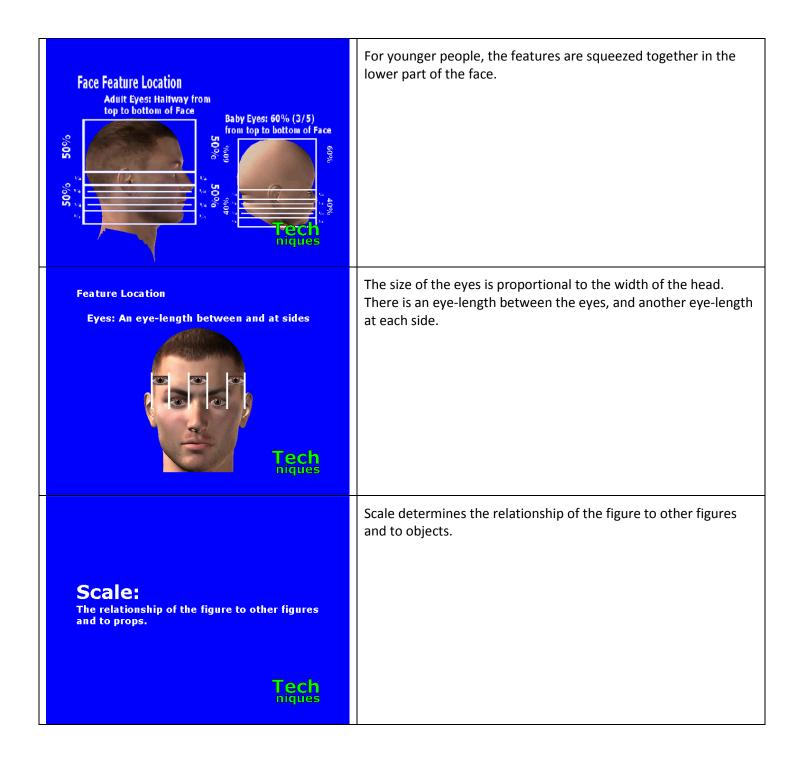
- Reducing a figure by the same amount in all directions, gives a smaller doll with the same proportions - an Average figure.
- Reducing a figure in height only gives a Short/Stocky figure.
- Reducing a figure in width *only* gives a *Tall/Thin* figure.
- Making the head larger with respect to the body gives a younger appearance. Babies have very large heads, but the face features are all squeezed into the lower third of the face.

Changes in size (at the same age) do not affect the proportion or relative size of the body parts to one another.









Proportion determines the relationship of parts to the whole figure. Proportion:
The relationship of parts to the whole figure. Happy Dolling! Cancer and other circumstances have delayed the release of this Mimi's Mannequins video workshop until late 2014. Male & Female Cloth Dolls 4-Day Dollmaking Workshop Classroom on a DVD Available June, 2012