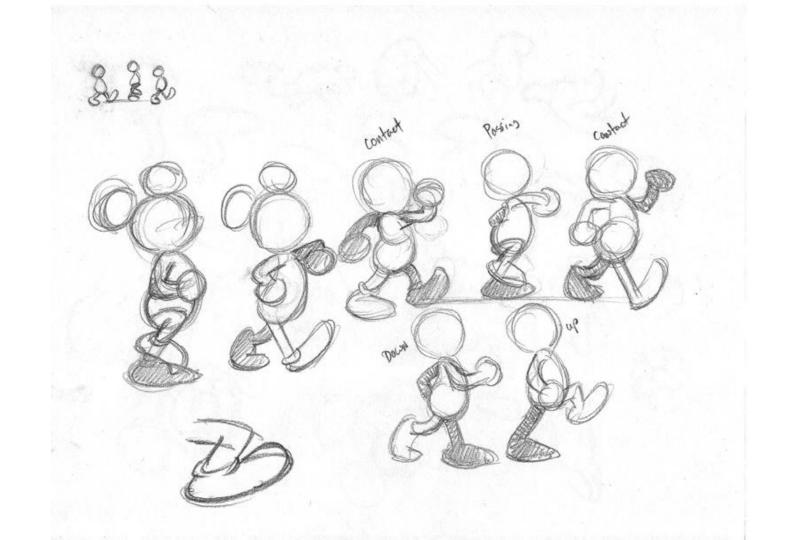
# R Walk Cycle

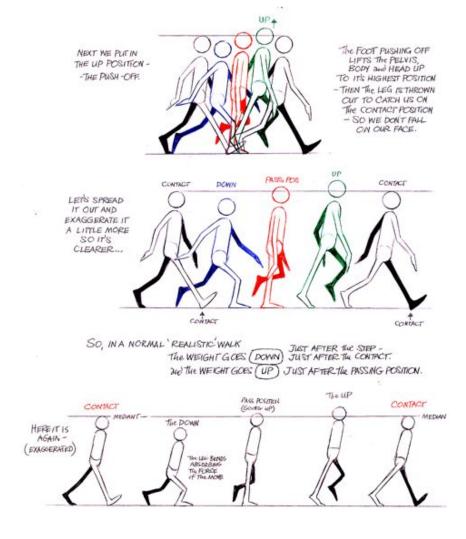
2D animated walk cycle using the brush tool



## The walk

Walking, running, shuffling, skipping, hopping, jumping, swimming and other forms of human and animal locomotion are rhythmic cyclic actions which can be described using a handful of drawings. Walking is a complex repeating pattern of movements consisting of all sorts of interesting counterplays. The up and down bobbing of the body, the swinging pendulum motion of the arms, the rocking motion of the pelvis, and the complex arcs described by the picking up and putting down of the feet. Some of the complex paths of motion found within a walk cycle. Walking or running is a continuous process of falling off balance which is momentarily stopped by putting a foot out in front

http://minyos.its.rmit.edu.au/aim/a\_notes/04\_walkcycle\_project.html

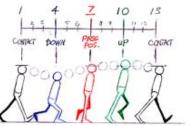


### SET THE TEMPO

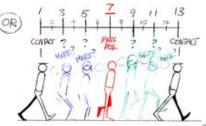
#### The FIRST THING TO DO IN A WALK IS SET A BEAT.

HALF A SECOND PER STEP. GENERALLY PEOPLE WALK ON 12'S - MARCH TIME TWO STEPS PER SACOND. BUT LAZY ANIMATORS DON'T LIKE TO DO IT ON 12'S

IT'S HARD TO DIVIDE UP. YOU HAVE TO USE 'THIRDS'-THINK PARTLY IN THIRDS.





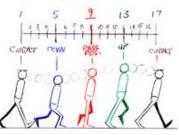


COPS - NOW WHERE DO WE PUT THE DOWN OR UP? HEY, THIS IS GETTING HARD - ESPECIALLY WHEN WE GET INTO THE ARMS AND HEAD, AND ACTINE' AND DRAPERY - MAYDE THERE'S AN EASIER WAY?

CONTACT

THERE 12 AN EASIER WAY - HAVE HIM/HER WALK ON 16'S - OR WALK ON 8'S MUCH EASIER TO WALK ON 16'S - IT'S EASY TO DIVIDE UP - SAME THING ON 8'S. ( EACH STEP = 3/3 SEC) 3 STEPS PER SEC.)

85



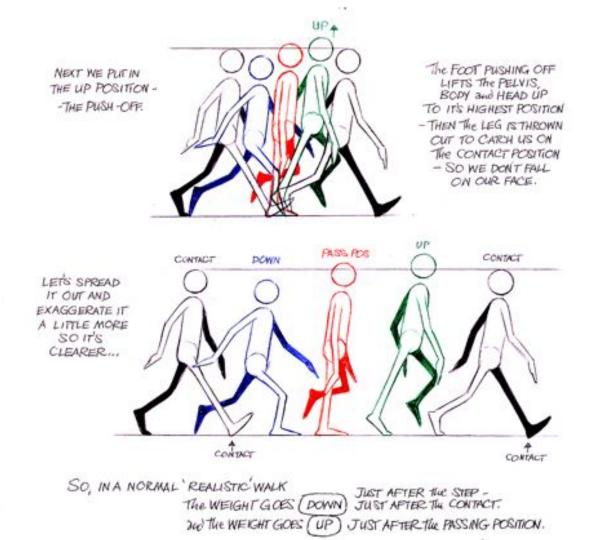
WHEW, THAT MAKES LIFE EASIER

NICE EVEN DIVISIONS NOW -

REDUCED UP AND DOWN ACTON -SINCE IT'S TAKING PLACE IN A SHORTER TIME ! THIS IS WHY CARTOON WALKS ARE CETEN ON 85.

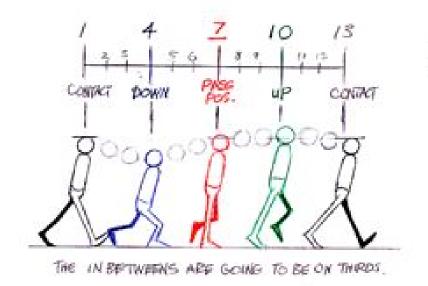
CONTACT DOWN

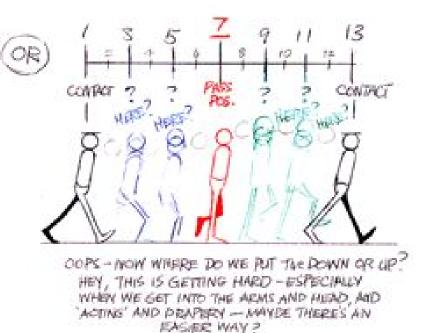
BUMP, BUMP, BUMP, 3 STEPS A SECOND.

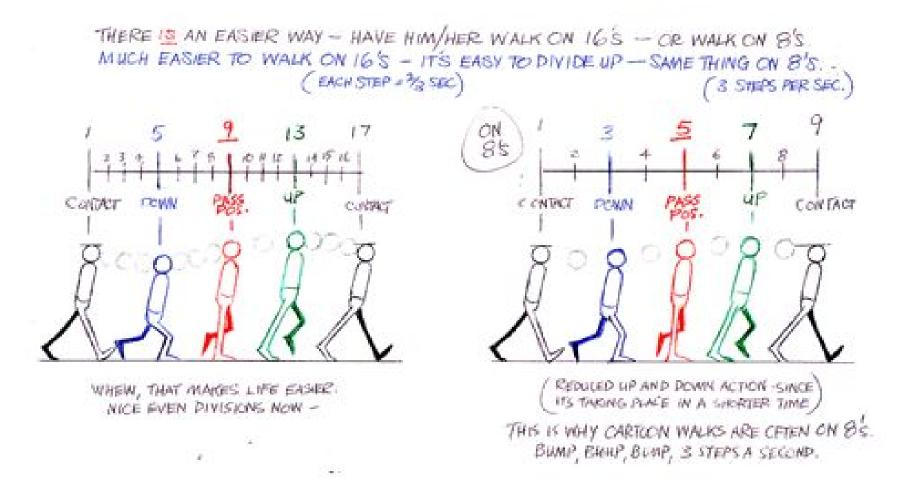


SET THE TEMPO

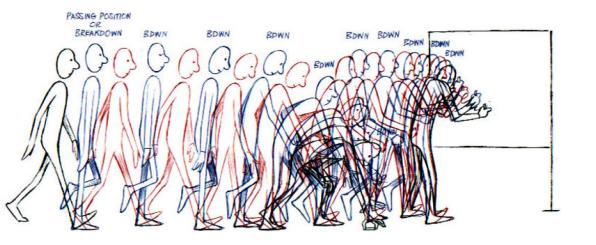
The FIRST THING TO DO IN A WALK IS SET A BEAT. GENERALLY PEOPLE WALK ON 12'S - MARCH TIME ( HALF A SECOND PER STEP) BUT LAZY ANIMATORS DON'T LIKE TO PO IT ON 12'S. IT'S HARD TO DIVIDE UP. YOU HAVE TO USE 'THIRDS' - THINK PARTLY IN THIRDS.

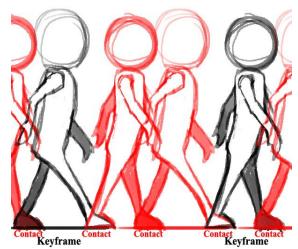


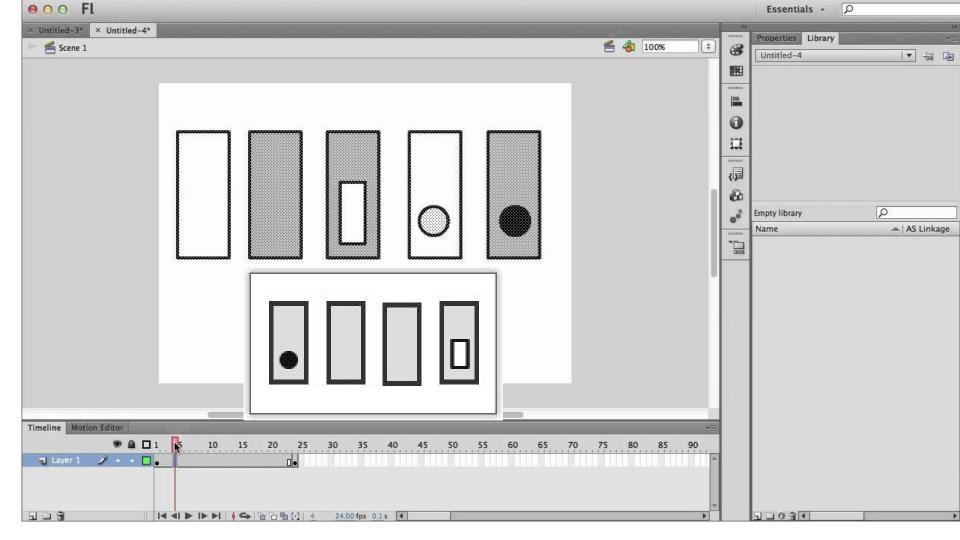


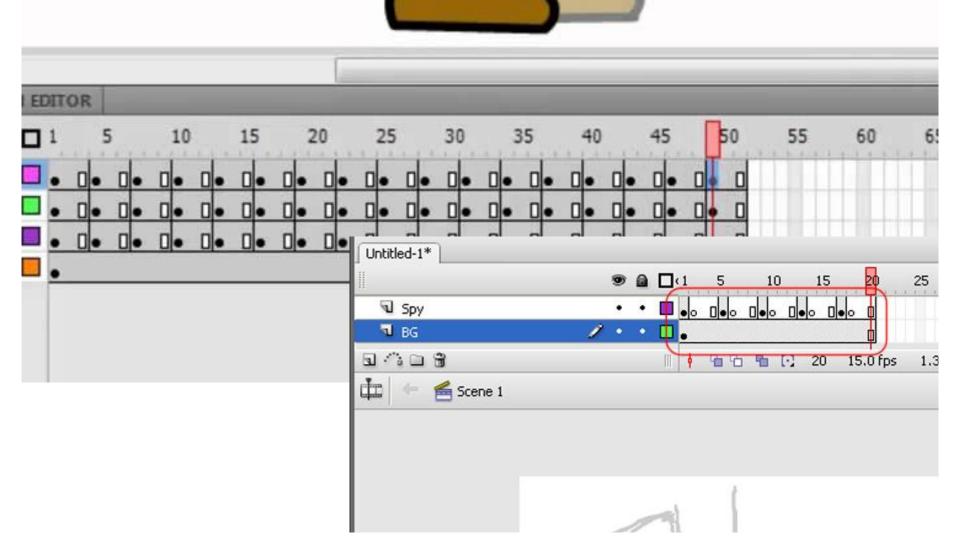


## Difference between Key Frames and InBetween frames









## Good resources

http://youtu.be/OdhuDGOyAXc

http://youtu.be/7CIMgjyMhXU