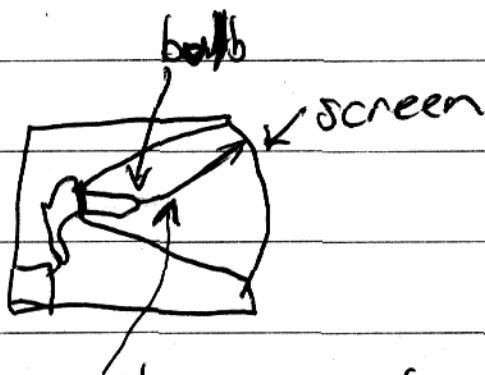


## Question 28

ai) LCD and CRT are devices used to transmit pictures to the human eye. A LCD Liquid crystal display screen is a device which has small crystals ~~to~~ flowing in a liquid. This liquid is between 2 sheets of plastic or glass. These crystals when excited by electrons or electricity change colours when enough of these crystals are excited and ~~and~~ <sup>with</sup> ~~different~~ different amounts of electricity they form different colours when enough of them are excited and the correct positions of electricity is happening a picture is formed. A CRT ~~is~~ <sup>consists of</sup> cathode ray tube is a device which looks like this.



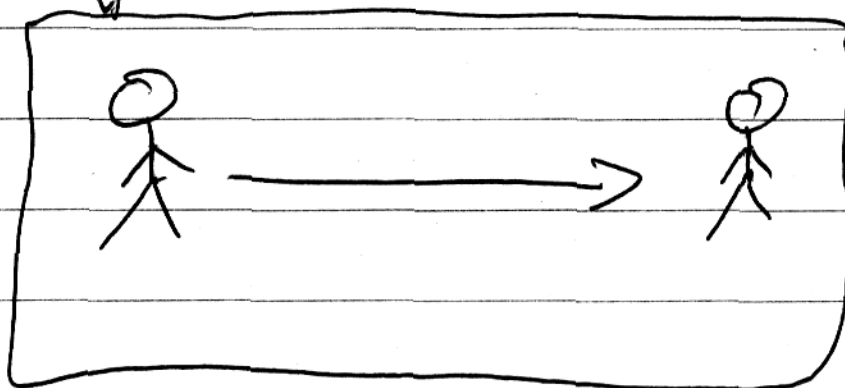
A signal is sent out like this from the bulb and it hits the screen and lights up the

colours on the screen there are 4 different colours they are the primary colours they are bunched together like this



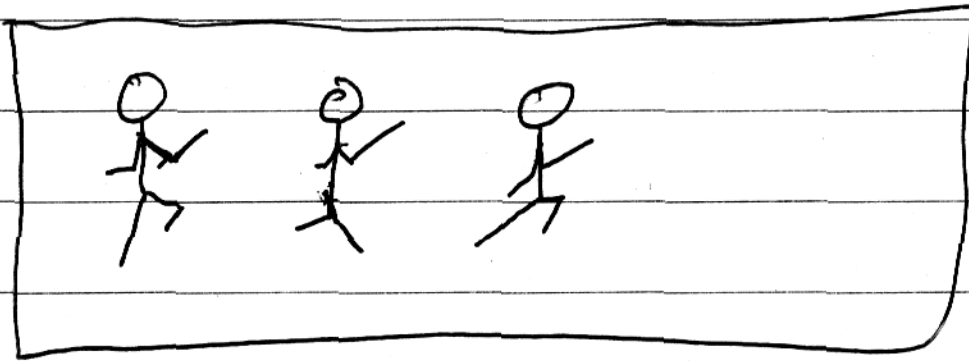
and there are thousands on the screen of a tv when they are lit up in the right patterns they form a picture

ii) A path based animation is when the animation is one whole picture and moves across the screen  
one eg



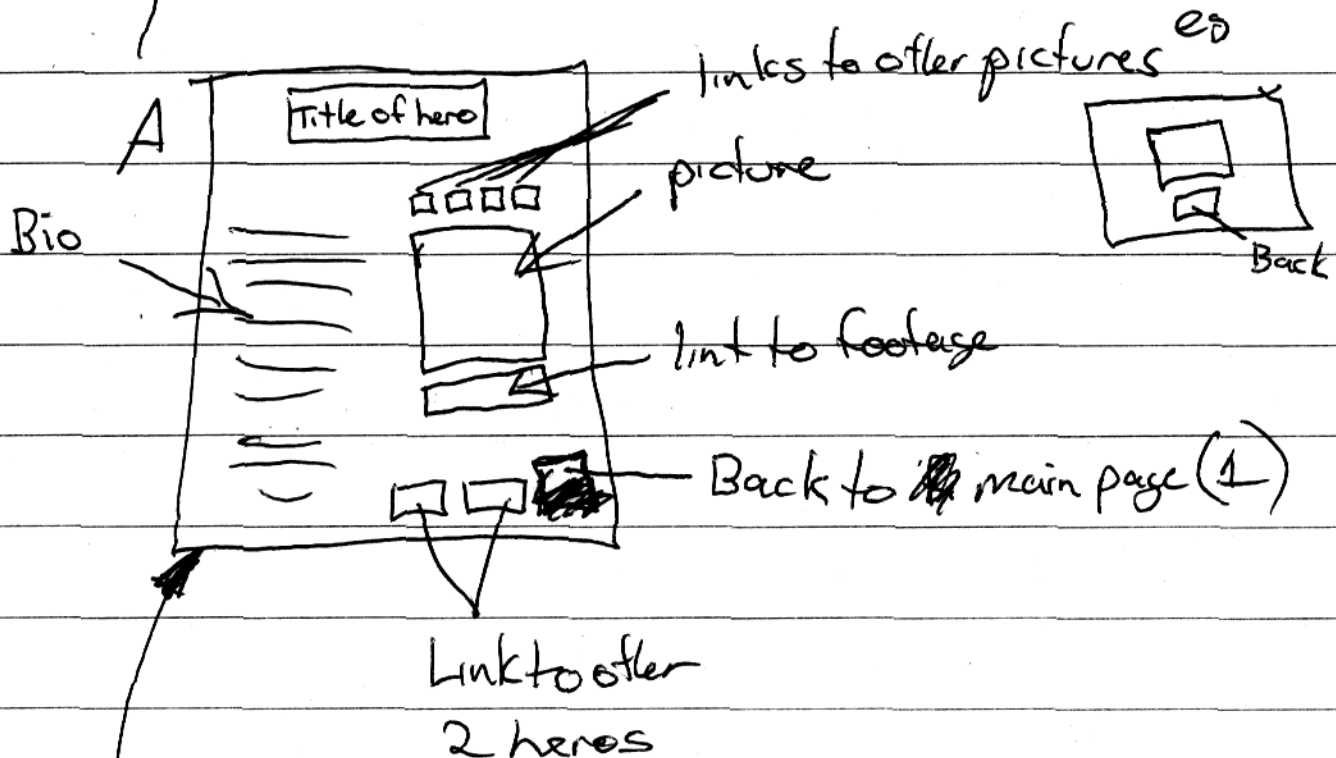
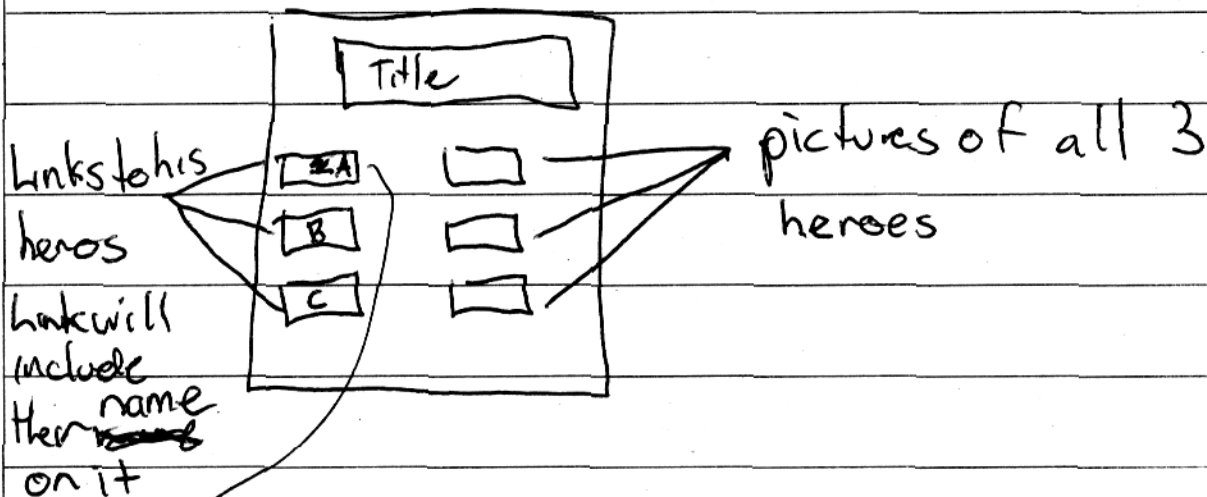
picture will move across the screen without changing

A cell based animation is where the animation is made up of 2 or more cells. It could have thousands and each cell is independent of the others and these cells will move in different ways allowing better movement eg



Running would require cell based animation because the legs ~~and~~, arms and body need to move independent of each other

1st page



This <sup>page</sup> layout will be standard for all 3 heroes so B and C will be the same layout but with a different ~~links~~ for pictures Bio picture and links to pictures will change also, the two links down the bottom will change also the link to footage will change

ii) There is a math equation it is  
$$\frac{600 \times 400 \times 16}{\text{something I forget}}$$

e) Collecting - This is the collecting of information  
This could be done over the internet  
by placing the details of prices for  
the amount of words and if any picture  
is going to be placed with the add then  
the details of the persons credit card  
would be collect so that amount  
can be debited out

Organising - This is the process of making the  
info easy to read and making the  
customer want to buy this product  
This process would most likely be completed  
by a team of graphic designers

displaying - This process involves a few steps  
first the message ~~that~~ or graphic  
that wants to be displayed has to  
travel through the phone line then be  
changed from an analogue signal  
to a digital signal by a modem  
then the signal is displayed through  
a monitor by exciting the crystals  
in a <sup>LCD</sup> ~~CRT~~ or exciting a phosphor  
coating in a CRT