



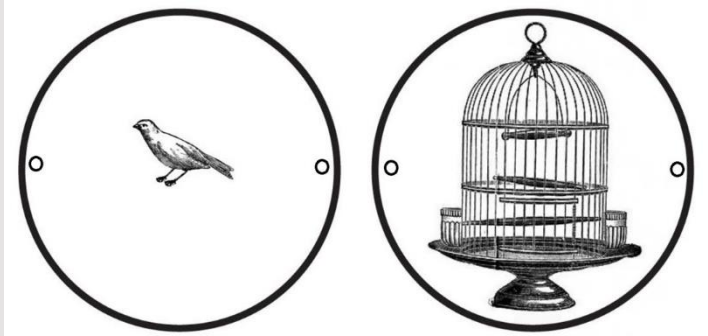
*LQ: Can I understand what animation is?*

*Steps to success*

- *I understand and can explain what 'animation' means.*
- *I can explain the history of animation.*
- *I can create a flipbook animation.*



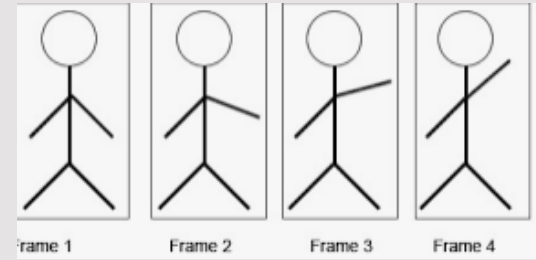
★ STAR WORDS ★



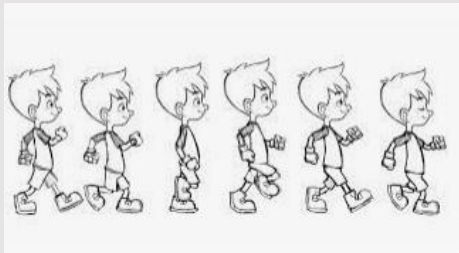
*thaumatrope*



*flipbook*



*frame*



*animation*

*moving image*



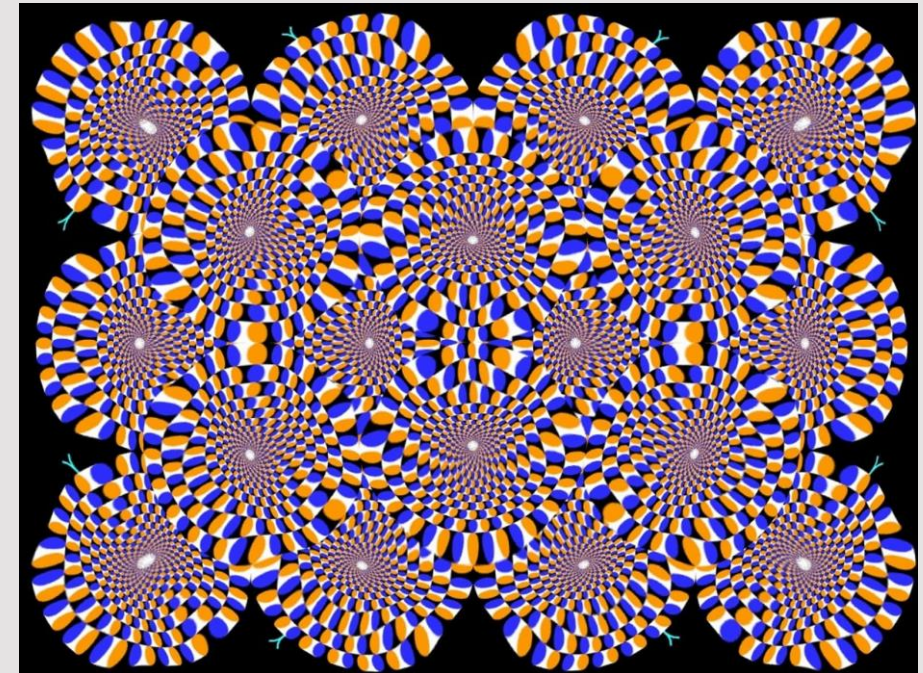
*still image*



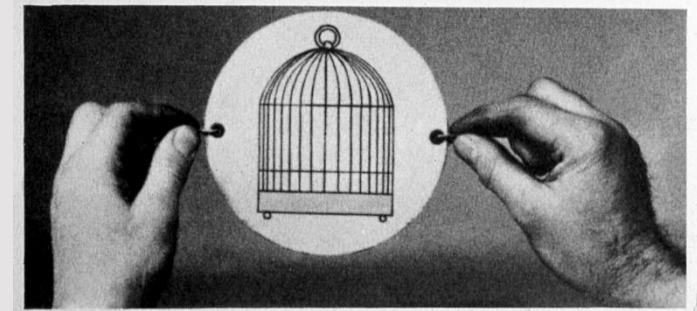
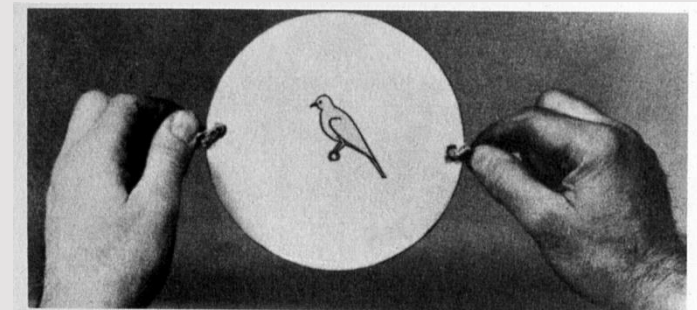
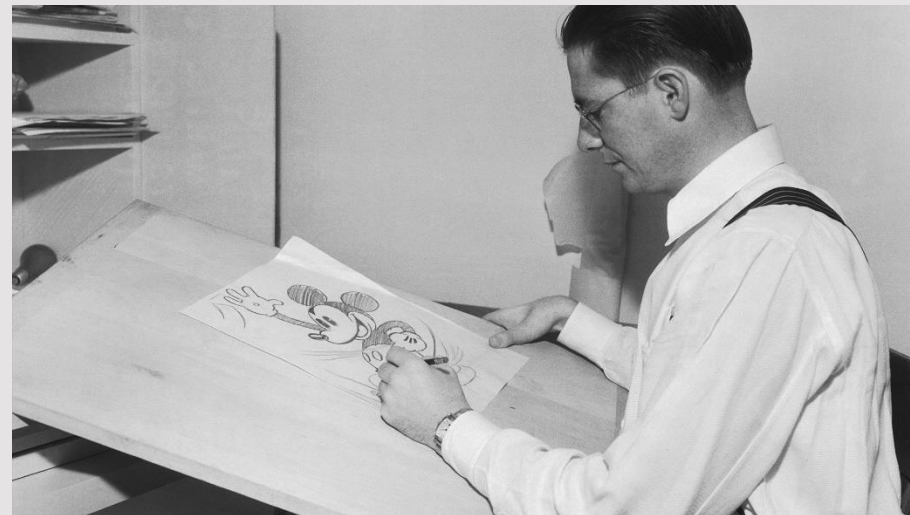
*zoetrope*

## What is animation?

*An animation is a series of still images shown in quick succession to give the appearance of a moving image; just like an optical illusion.*



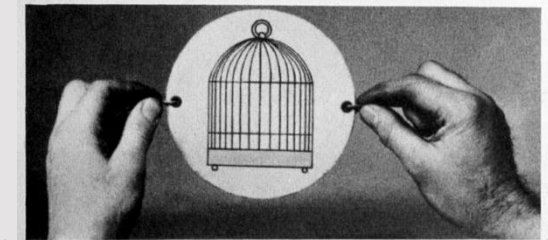
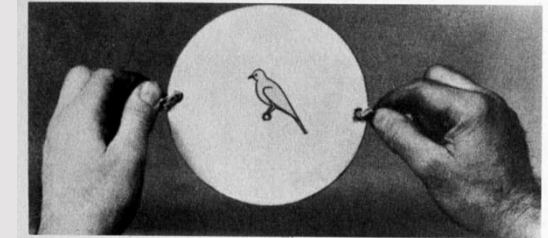
*Before computers were used for animation, there were lots of ways to make moving images. Some of these were used as toys for children in the 19<sup>th</sup> century, and some were used to make films and cartoons.*



Let's look at these examples of animations.

## **Bird and cage thaumatrope.**

A thaumatrope is a disc with two pictures on either side, and when spun the images combine.



<https://www.youtube.com/watch?v=46Mlr4hvW-E>

## **Zoetrope replica optical toy**

A zoetrope is a cylinder which has a sequence of images on the inside and slits that let you see inside.

When spun around, the pictures seem to move.



[https://www.youtube.com/watch?v=-hE\\_fA9M580](https://www.youtube.com/watch?v=-hE_fA9M580)

## **Pencil flip book**

A flipbook is when pictures are drawn on pages of a book and it is quickly flipped through. The still images look like they are moving as you see each one.

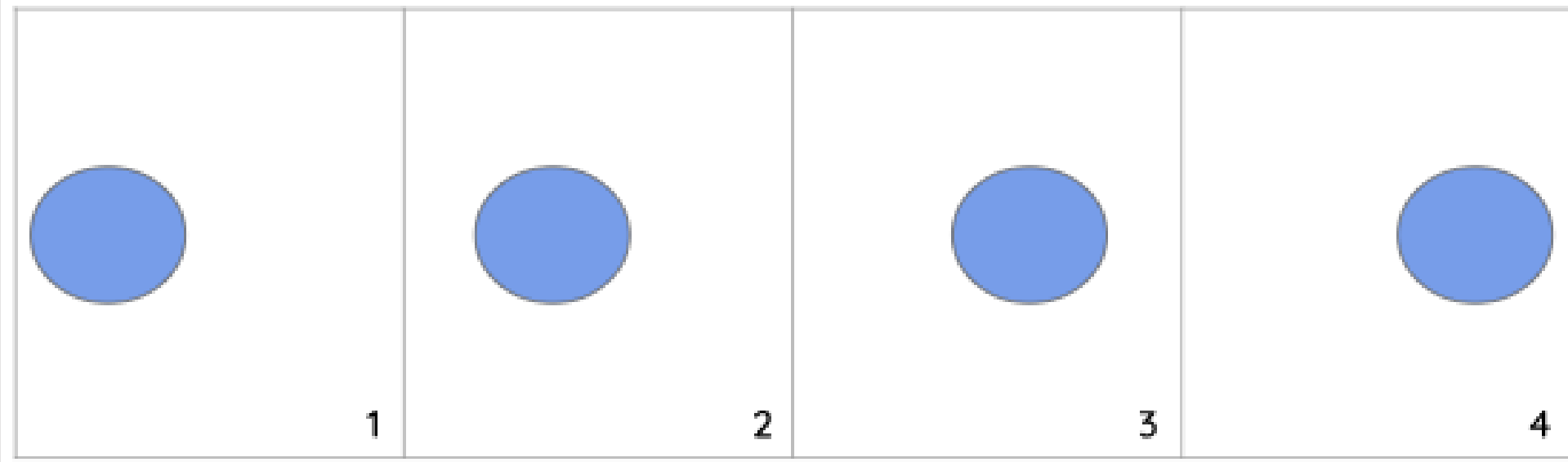
<https://www.youtube.com/watch?v=hio2CGVLihY>

*TP: Have you ever seen any of these before?*

*Have you ever played with any of these before?*

*A frame is each piece of an animation. So, for a flipbook, a frame is each picture on a page.*

*Can you predict what might happen to the ball in this flip book?*



## Task

You will create a flipbook animation using pictures given. Cut out the pictures and put them in order in the flipbook.

