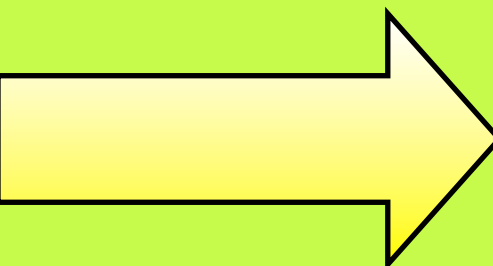


Moving Pictures

Today we will be...

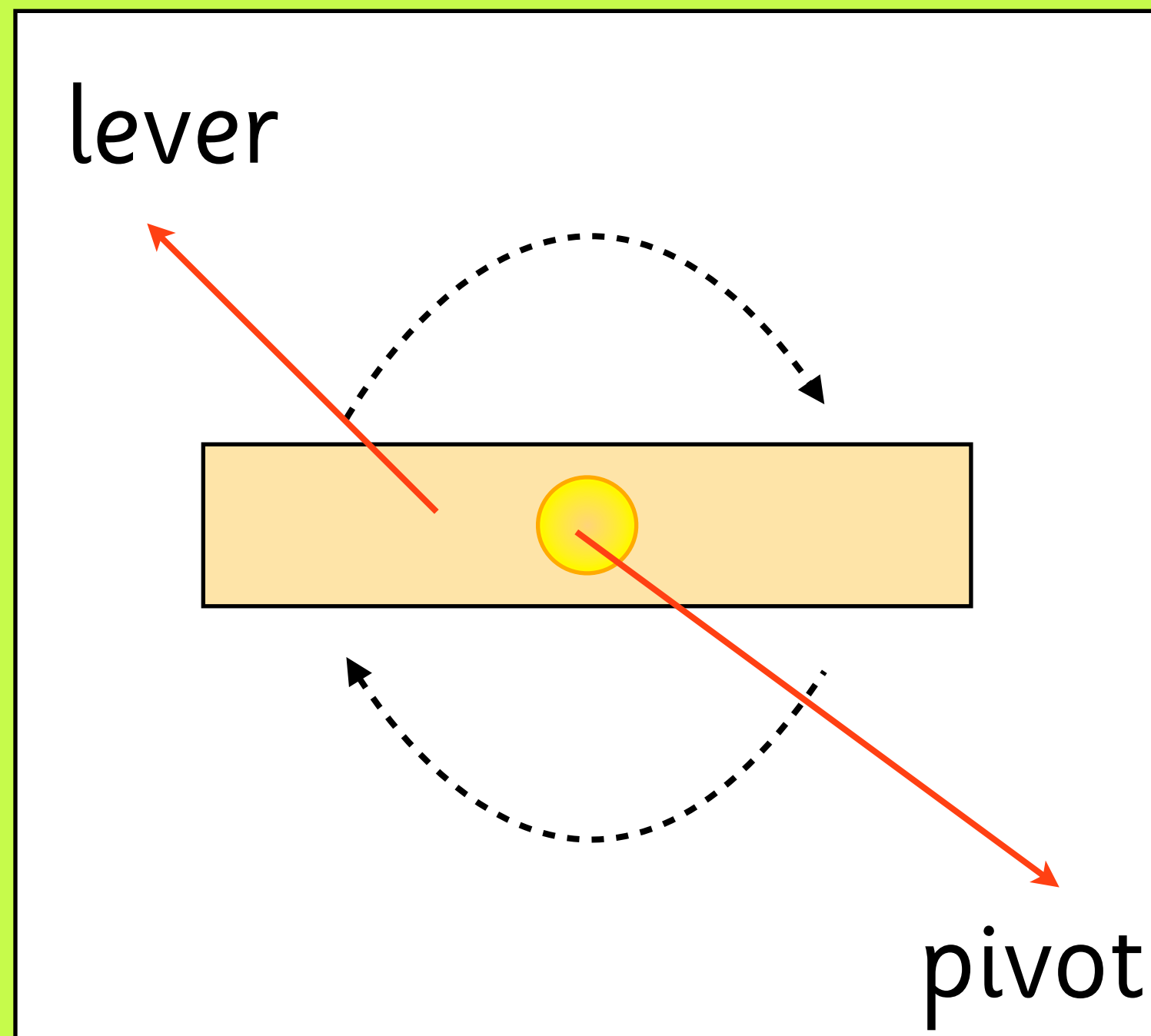
Investigating wheel mechanisms to use in moving pictures.



What have we learnt so far about moving mechanisms? What kinds of moving mechanisms have we already made?



We have already looked at mechanisms that use **levers** and **pivots**. Can you remember what these words mean?

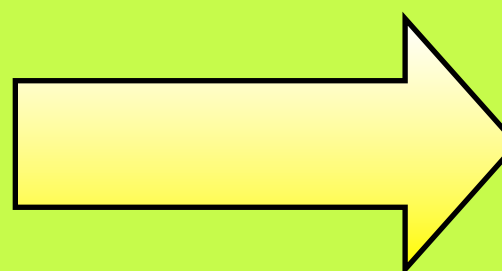
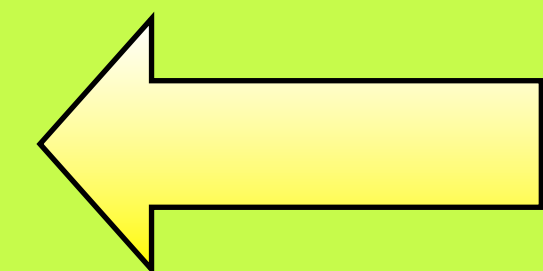
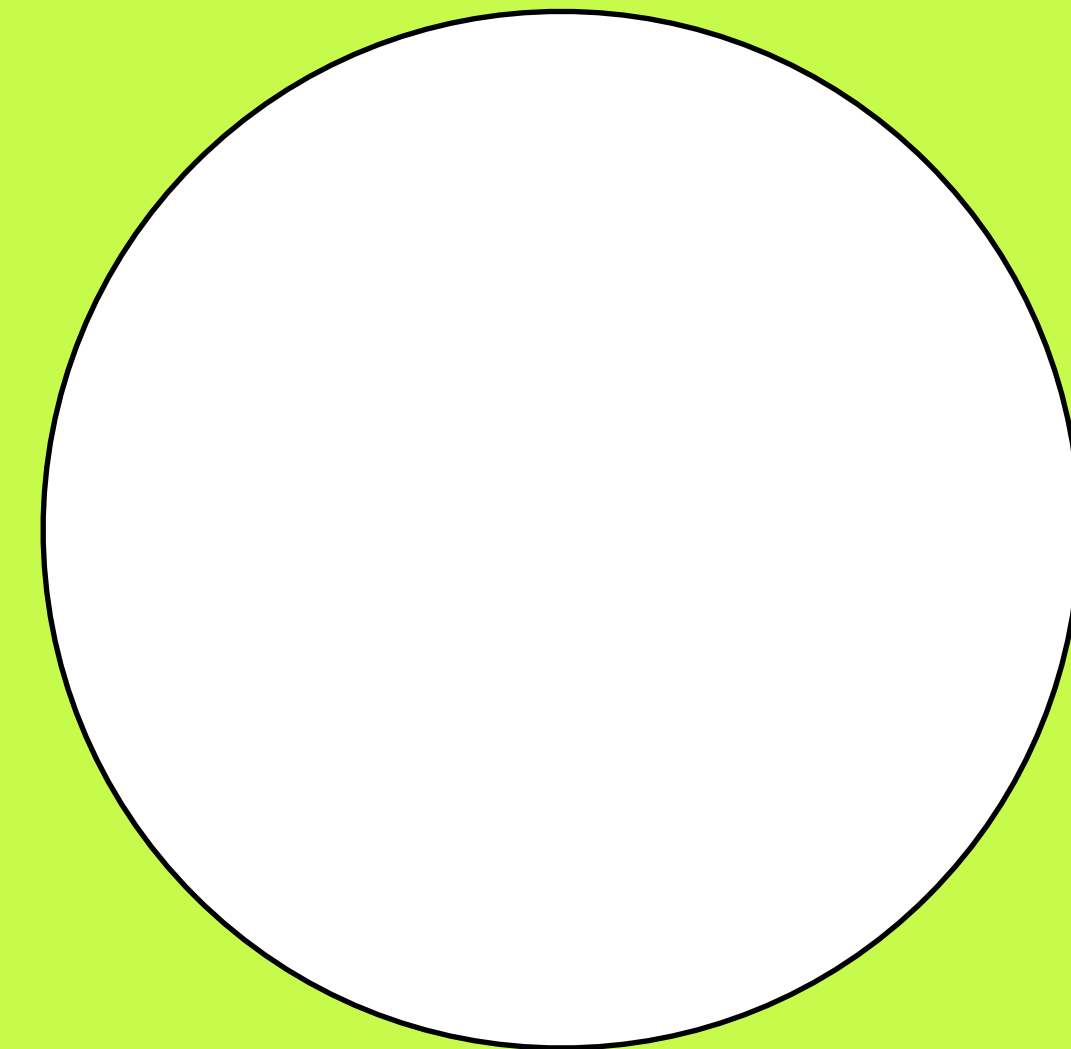
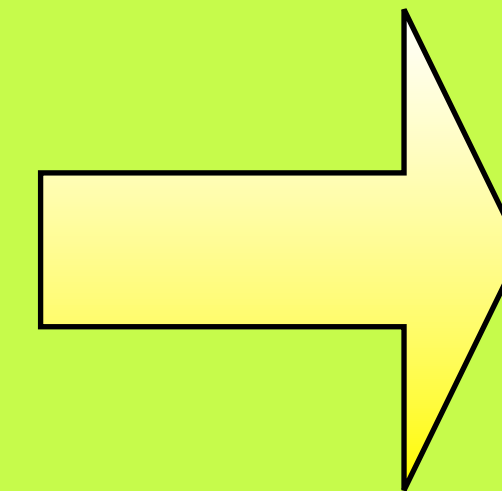
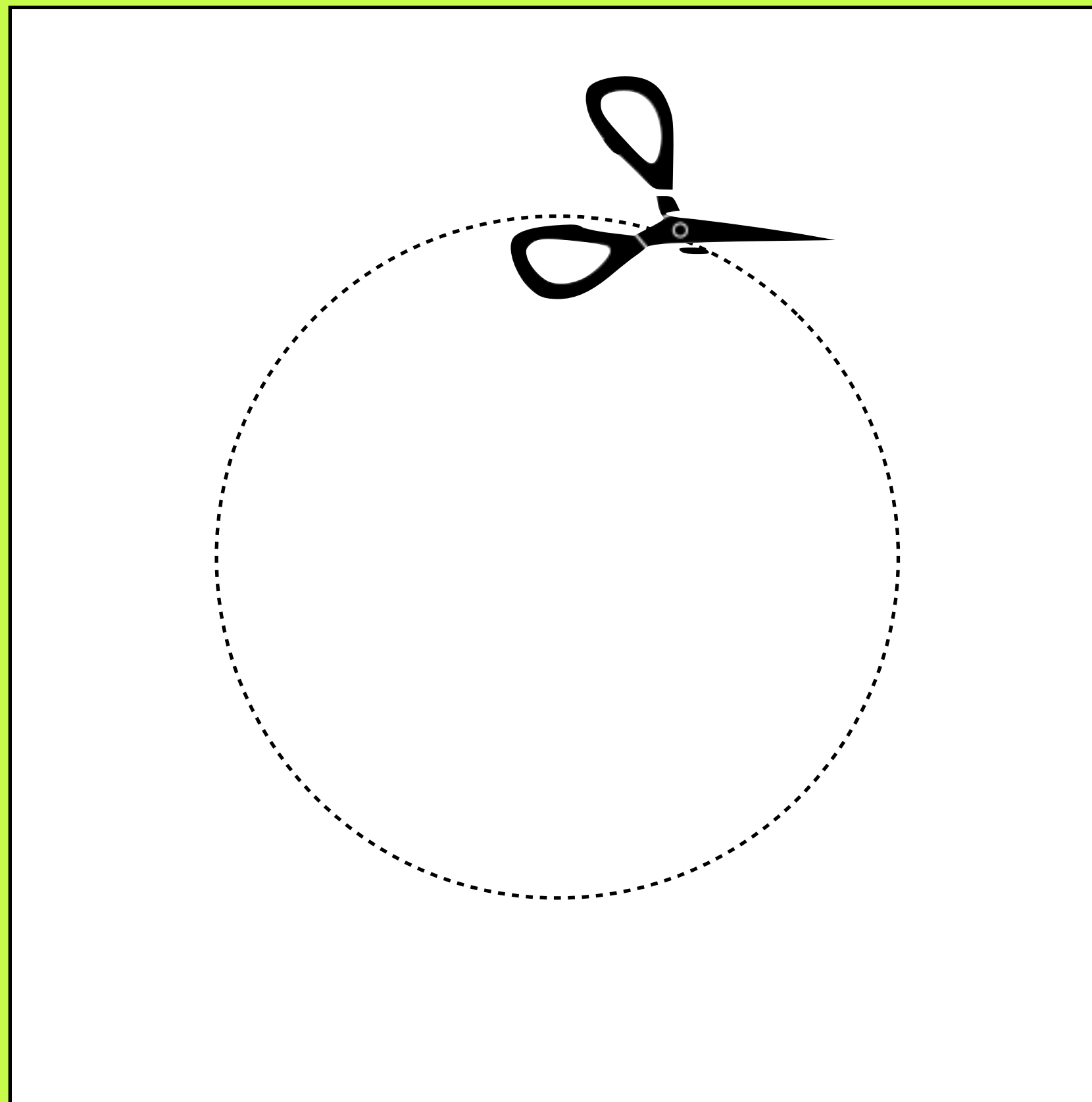


A lever is a handle that can move around the pivot. You can use levers and pivots in lots of ways to make moving pictures, for example by making arms and legs move.

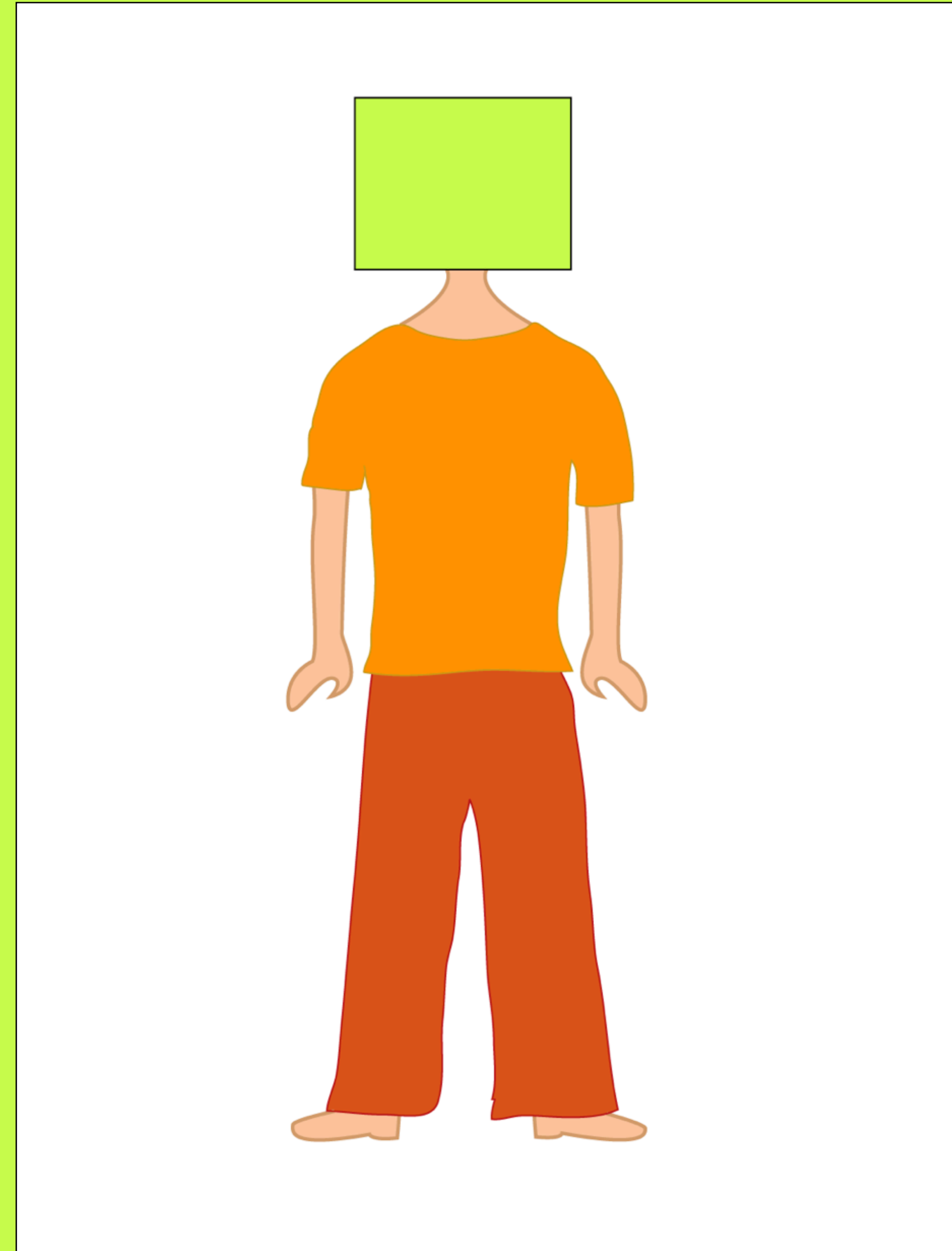
We are going to be using pivots again today to make wheel mechanisms to use in our moving pictures.

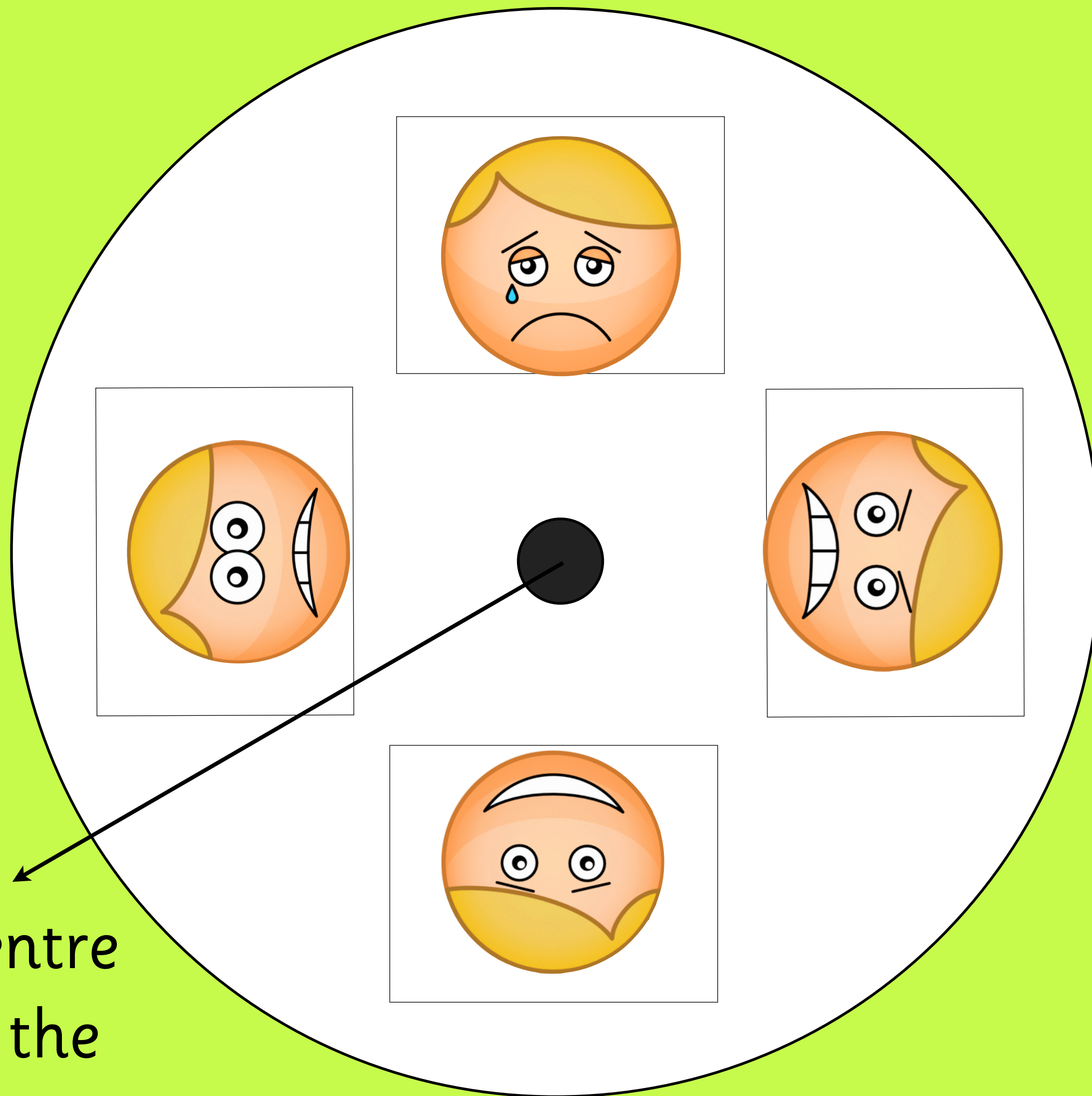


There are lots of different ways you can use wheel mechanisms in moving pictures. The first thing you need to do it cut out a circle from a piece of card.



This wheel mechanism
will show a man whose
face will change as the
wheel goes around.
Draw the picture of the
body and cut out a
square where the face
will be.

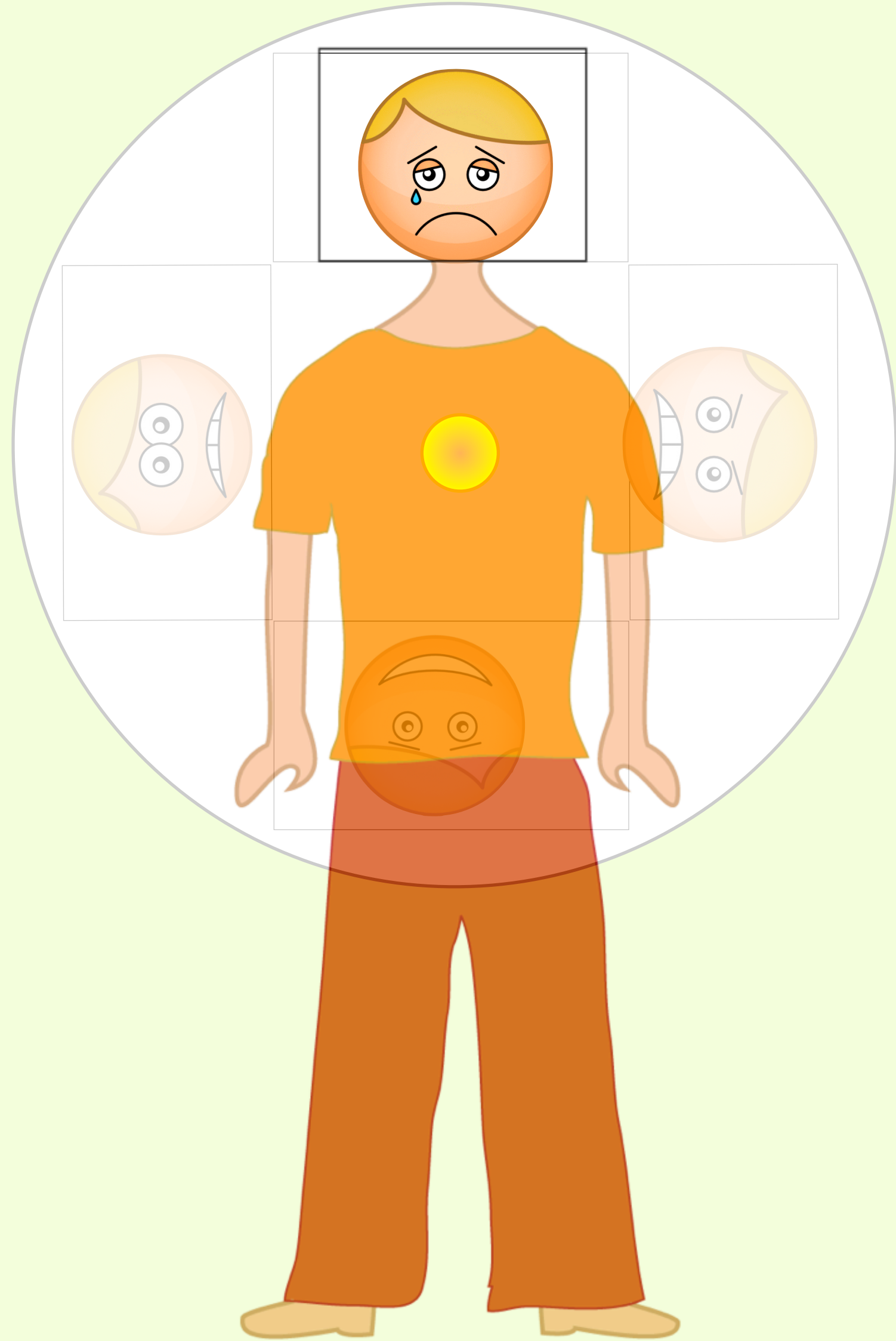


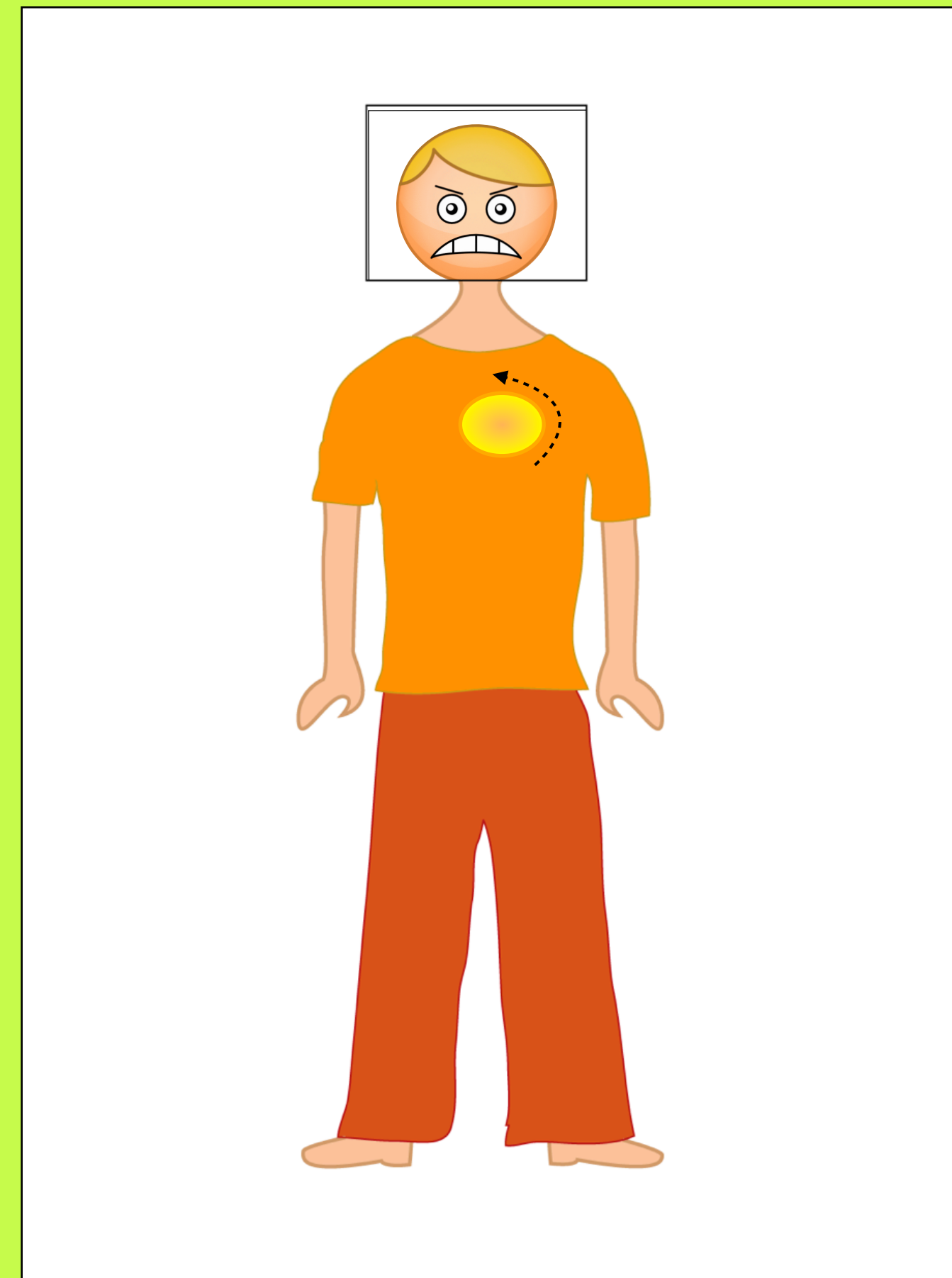
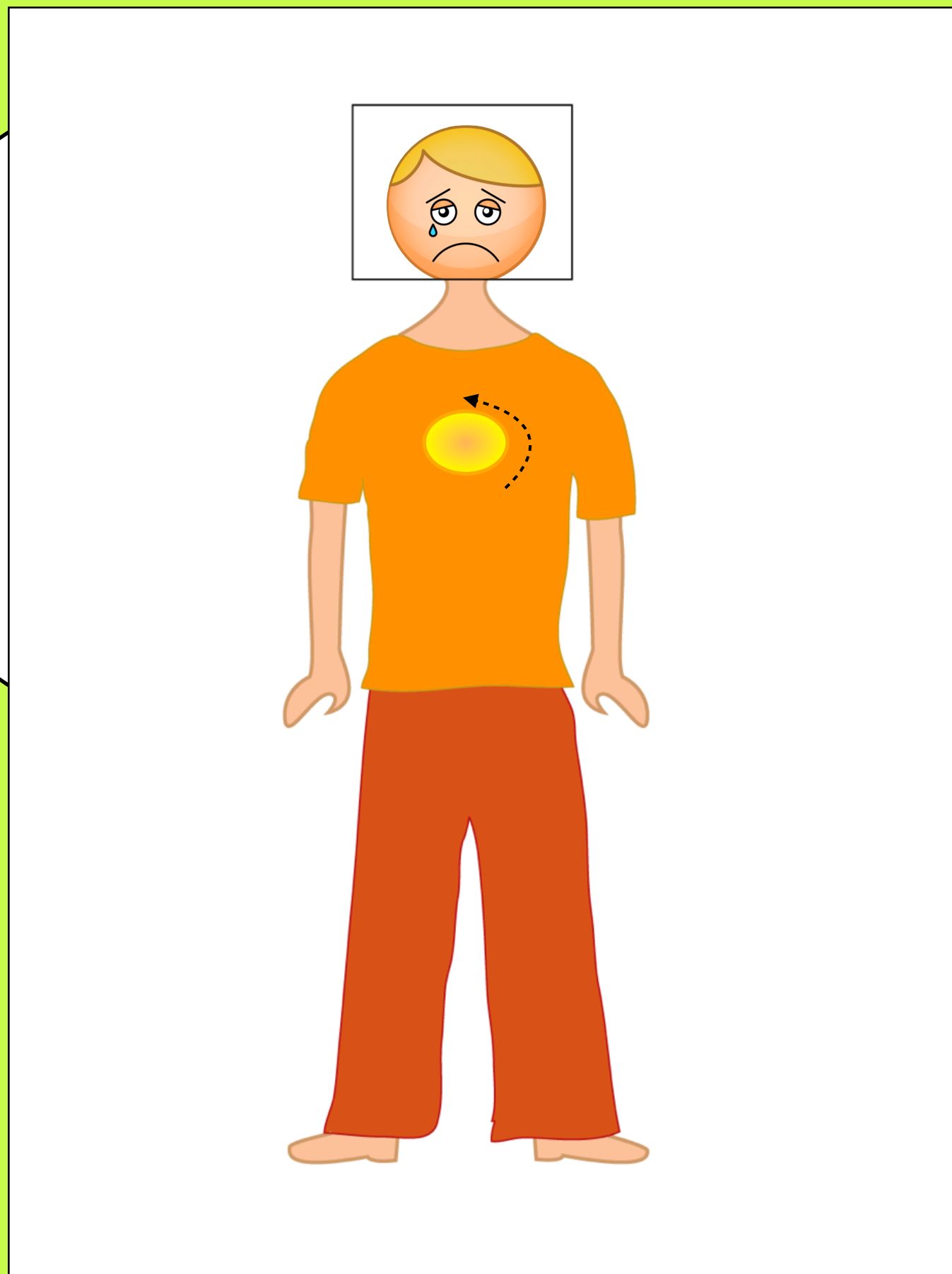
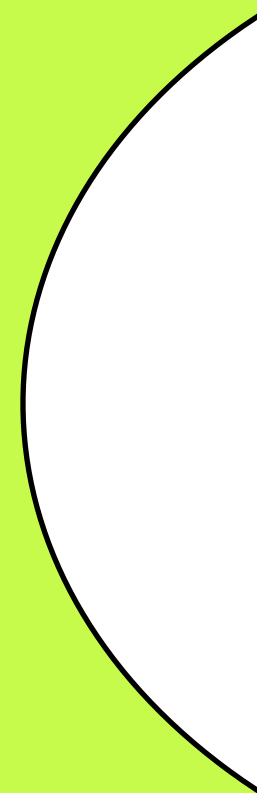


This is the centre point where the pivot will go.

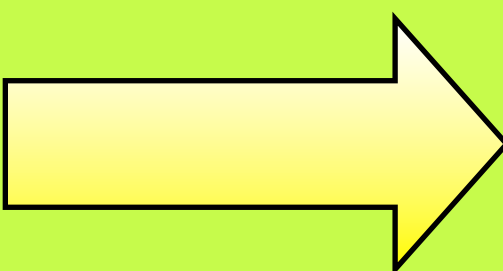
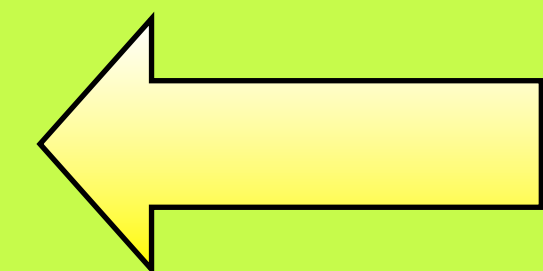
Draw the different faces on the circle. You will need to make sure that the face is in the right place so that it can be seen when you move the circle around.

Place the circle
behind the
picture and
attach the two
together with a
paper fastener.
This needs to be
on the centre
point of the
circle.





By turning the circle around using the paper fastener as a pivot, you can change the expression on your man's face!



Can you think of
any other ways you
could use wheel
mechanisms to make
moving pictures?

