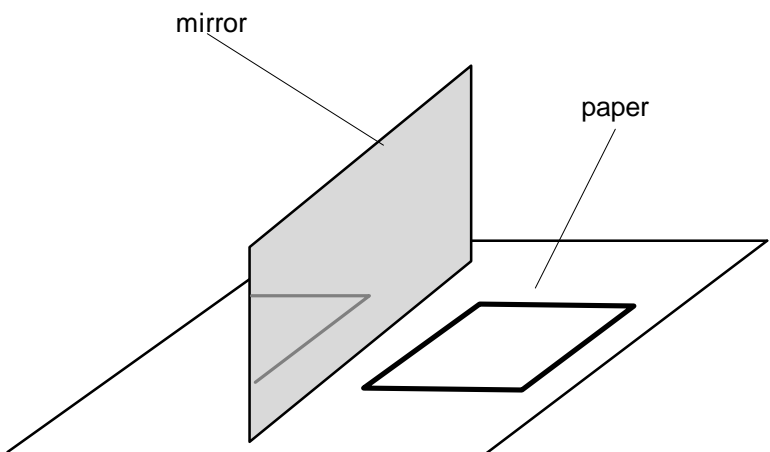


??

# Mirror, Mirror

Draw a square on a piece of paper. Now take a mirror and hold it so that its edge is on the paper.



1. Find all the ways of placing the mirror on the paper so that what you see on the paper **together** with what you see in the mirror makes **one** complete square which is exactly the same as the one you drew. (Notice that if you leave the mirror in the same place as is shown in the diagram, you will see **two** squares, not one.)

2. Draw a triangle, and do the same thing with the mirror. How many different ways can you hold the mirror so that what you see on the paper **together** with what you see in the mirror is the same triangle as you have drawn on the paper?
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
3. Draw another triangle that lets you place the mirror in **either** more ways or fewer ways.