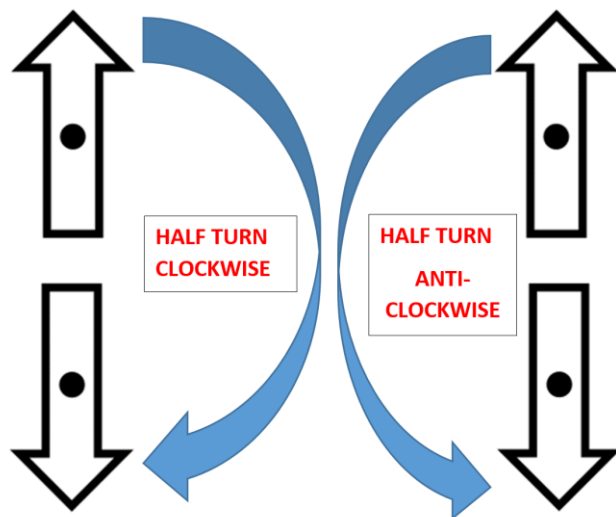


Analysing movement and directions...

Here is my example –

Convince me that a half turn clockwise and a half turn anti-clockwise will be in the same position.

I think this statement is true because whichever way I turn the object it ends up in the same place, look I've drawn a diagram to show you.



1. **Draw me a diagram where:**    

The square is above the triangle.

The circle is next to the triangle.

The square is between the hexagon and the triangle.

2. **Always, sometimes, never** – something to my left is also to your left?

3. **Convince me** that a quarter turn clockwise is the same as a three quarter turn anti-clockwise.

4. **What's the same and what's different?**

quarter turn anticlockwise;

three quarter turn clockwise;

three quarter turn anticlockwise.

5. **I think** that “going forward 4 squares, then turning a quarter turn clockwise and then forward 3 squares” gets me to the same place as “turning a quarter turn clockwise, forward 3 squares, turn a quarter turn anticlockwise and forward 4 squares.” **Am I right? Show me.**