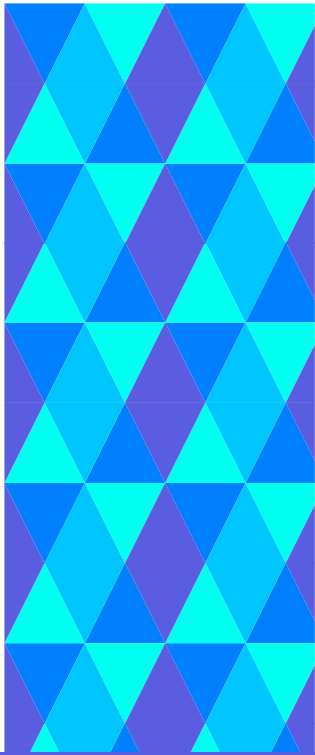


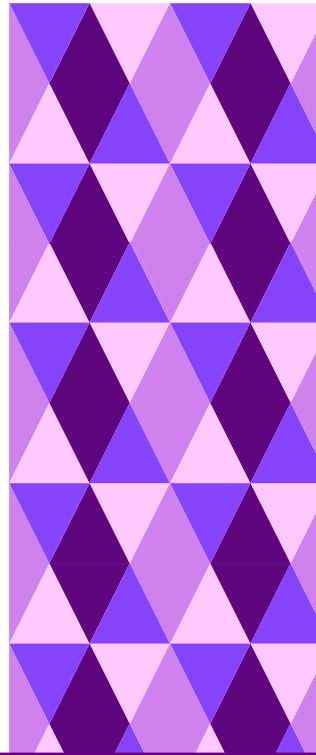


# Direction Cards

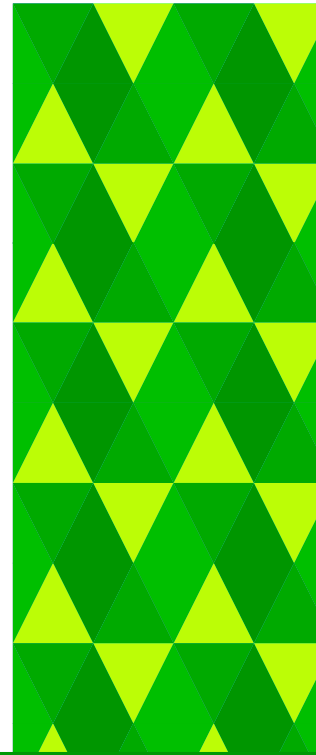
**North**



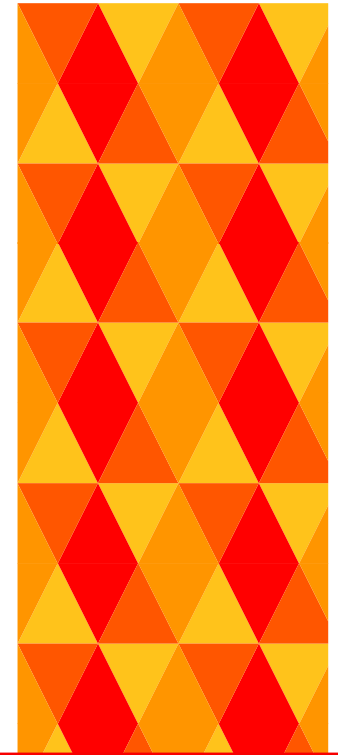
**South**



**East**



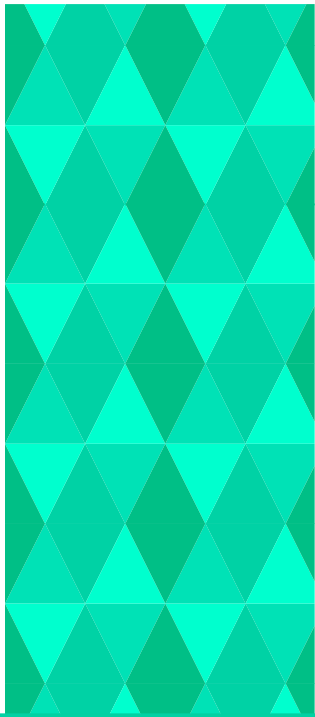
**West**



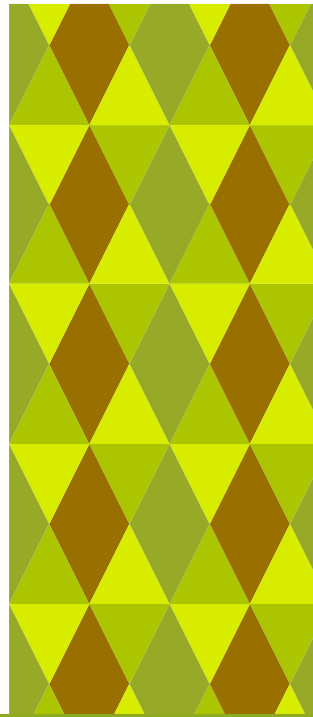


# Direction Cards

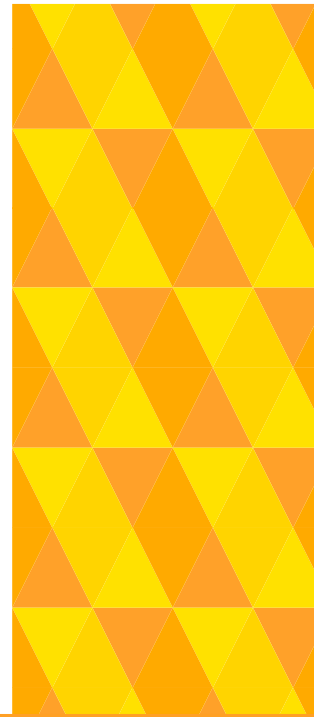
**North  
West**



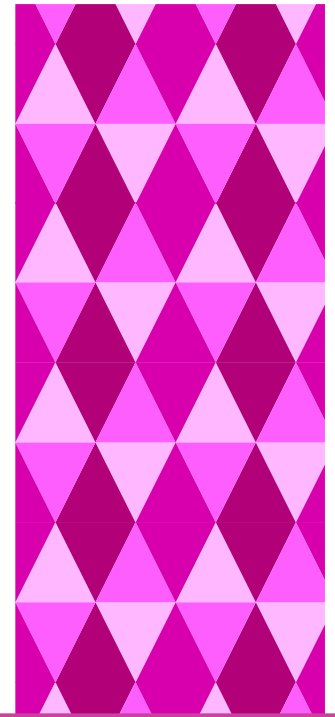
**North  
East**



**South  
East**



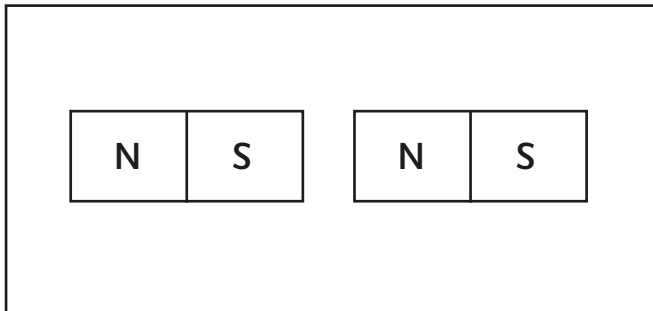
**South  
West**



# Magnetic Poles

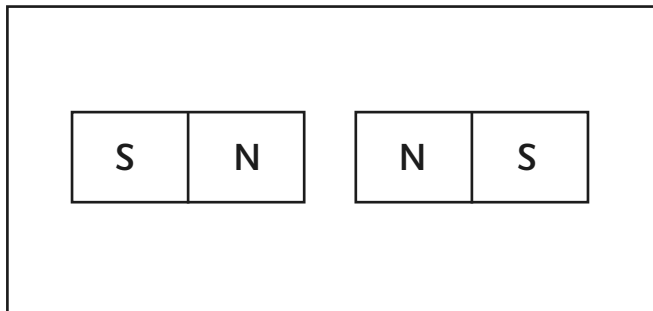


The north pole of a magnet will always attract to the south pole of another magnet. If two north poles or two south poles are put together they will repel each other. When this happens the magnets will move away from each other. Write whether you think the magnets shown below will attract or repel each other.



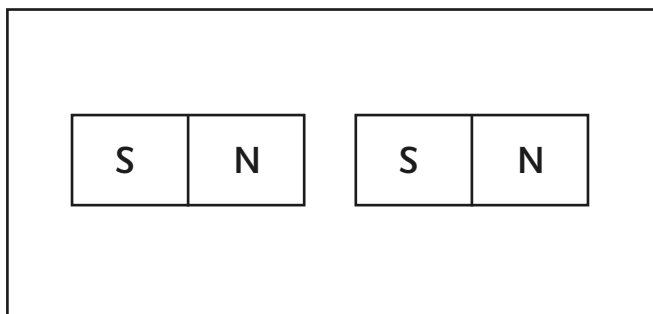
I think these magnets will \_\_\_\_\_

\_\_\_\_\_



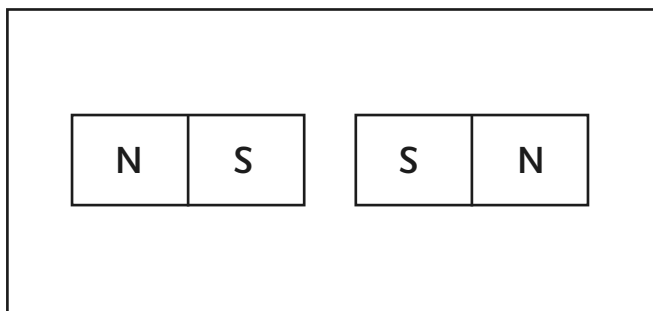
I think these magnets will \_\_\_\_\_

\_\_\_\_\_



I think these magnets will \_\_\_\_\_

\_\_\_\_\_



I think these magnets will \_\_\_\_\_

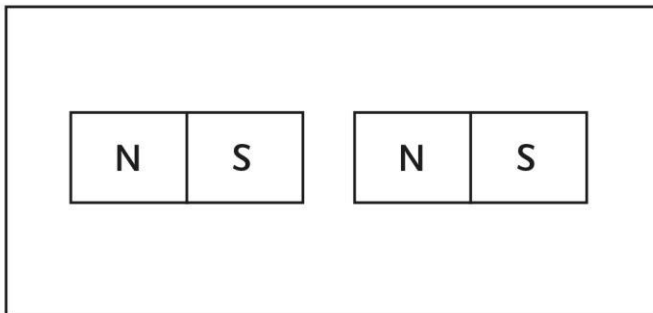
\_\_\_\_\_

# Magnetic Poles

Insert text here.

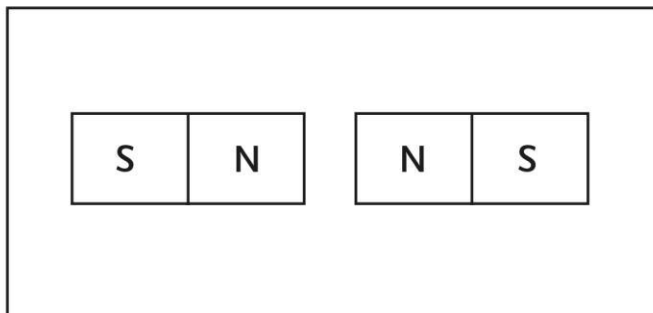


The north pole of a magnet will always attract to the south pole of another magnet. If two north poles or two south poles are put together they will repel each other. When this happens the magnets will move away from each other. Write whether you think the magnets shown below will attract or repel each other.



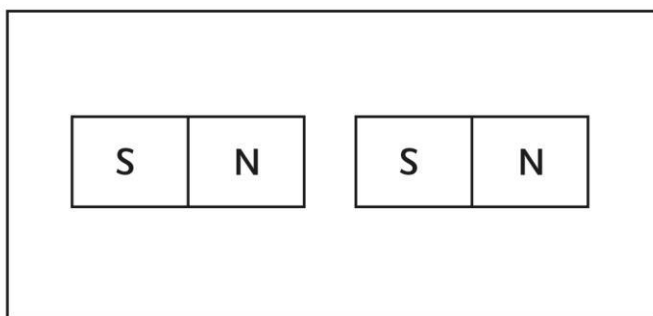
I think these magnets will \_\_\_\_\_

\_\_\_\_\_



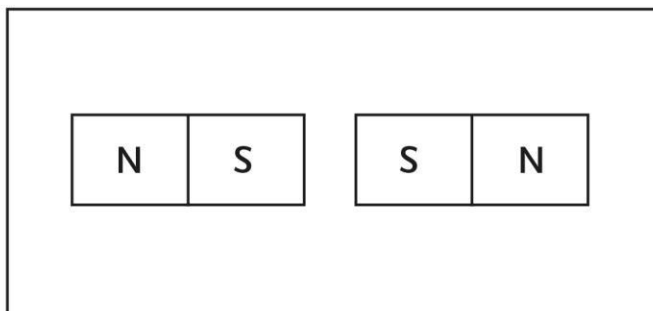
I think these magnets will \_\_\_\_\_

\_\_\_\_\_



I think these magnets will \_\_\_\_\_

\_\_\_\_\_



I think these magnets will \_\_\_\_\_

\_\_\_\_\_

# Make a Magnetic Compass

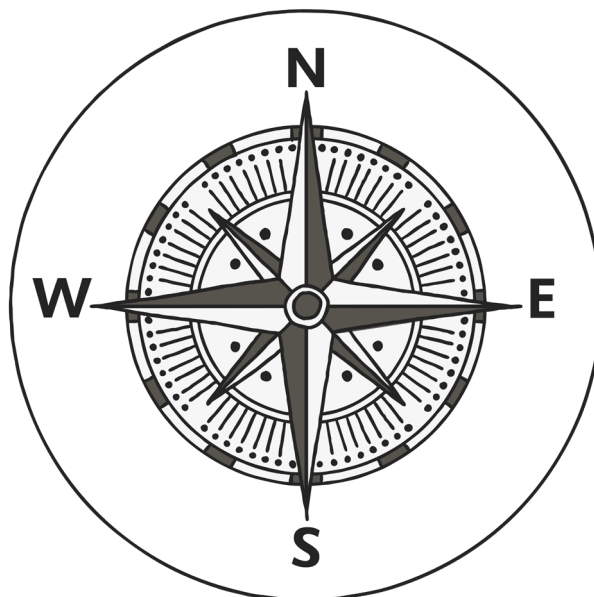
## You will need:

- A bar magnet
- A flat plastic lid
- A plastic bowl
- Water
- Compass template (below)

## What to do:

1. Cut out the compass template and stick it inside the plastic lid, so that it faces outwards.
2. Place the bar magnet inside the plastic lid on the compass template, making sure it is placed along the north-south line with the north pole of the magnet on the 'north' side of the line.
3. Half fill the plastic bowl with water. Float the plastic lid on the water.
4. The magnet will cause the plastic lid to rotate on the water until the north pole of the magnet points north.
5. Keep your compass away from computers and other devices that contain magnets, as it could disrupt their systems.
6. Test your compass by slowly turning the bowl around. The magnet should continue to point north even if the bowl moves.

## Compass Template



# Make a Magnetic Compass

## You will need:

- A bar magnet
- A flat plastic lid
- A plastic bowl
- Water
- Compass template (below)

## What to do:

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5. Keep your compass away from computers and other devices that contain magnets, as it could disrupt their systems.
6. Test your compass by slowly turning the bowl around. The magnet should continue to point north even if the bowl moves.

## Compass Template

