

Magnetic forces

You will need: two bar magnets, the objects listed below.

- Which of these things will be attracted to a magnet?
Predict first, then use your magnet to see if you were right.
- Record your results on the chart below.

Object	Prediction	Result
2p coin		
10p coin		
ruler		
eraser		
nail		
paper		
paper-clip		
plastic lid		
glass jar		
pin		
pencil		
elastic band		

- Discuss your results with a friend.
What materials do you think are magnetic?

When two magnets pull towards each other, they are said to attract.
When two magnets push each other away, they are said to repel each other.

- Find out what happens when you try each of these:



Two North poles adjacent:
repel or attract? _____



North and South poles adjacent:
repel or attract? _____



South and North poles adjacent:
repel or attract? _____



Two South poles adjacent:
repel or attract? _____

- Summarise what you have discovered by completing this sentence:

Unlike poles _____, whereas like poles _____.

I can tell which materials are attracted or repelled by magnets.

How did you do?

