

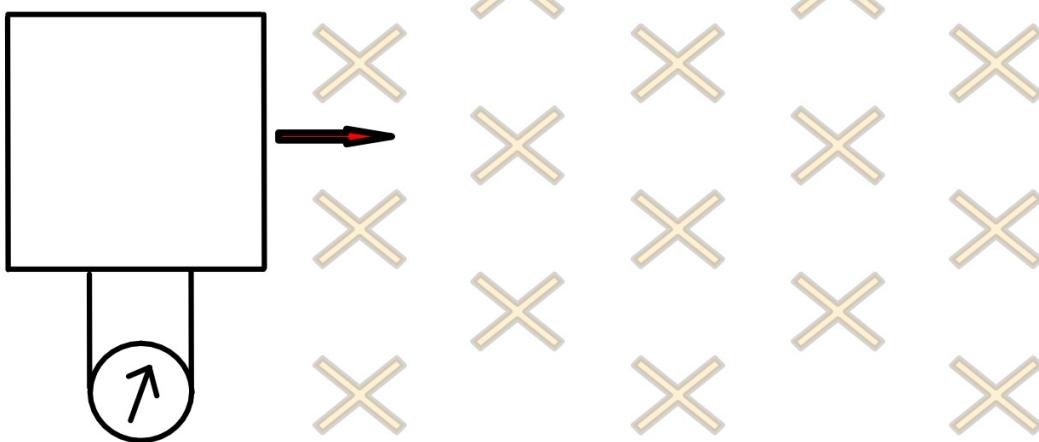
E-MAG THINKING!

using our emagination ... ?

*qualitative

Example 1, square coil moving through uniform field

- Moving at uniform velocity
- Sketch* a graph of emf (y-axis) against time (x-axis)
- Explain, referring to Faraday's and Lenz's law

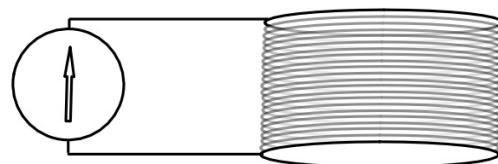
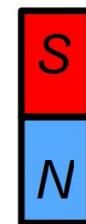


E-MAG THINKING!

*qualitative

Example 3, magnet falling through coil

- A magnet is dropped through a coil
- Sketch a graph of emf (y-axis)
- against time (x-axis)
- Explain!



E-MAG THINKING!

*quantitative

Example 2, square coil moving through uniform field

- Moving at uniform velocity of 0.02ms^{-1}
- Draw* a graph of emf (y-axis) against time (x-axis)
- Include calculations*

