Magnetism

This task is about magnetic fields.

a) A steel knitting needle is magnetised by stroking it 50 times in one direction with the north pole of a powerful bar magnet until it becomes magnetised.

What happens when this knitting needle is cut in half?



b) Draw on the diagram below:

- 1. The lines of the magnetic field that would occur around and between the two magnets when they are pushed together.
- 2. The direction the field flows in.

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