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web where  $h$  is the strength of the magnetic field in ampere turns metre at  $m$   $n$  is the number of turns of the coil  $i$  is the  
current flowing through the coil in amps  $l$  is the length of the coil in metres  $m$  then to summarise the strength or intensity  
of a coils magnetic field depends on the following factors the number of turns of wire within the coil

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