

Water Cement Ratio - the amount of water needed to mix into the cement.

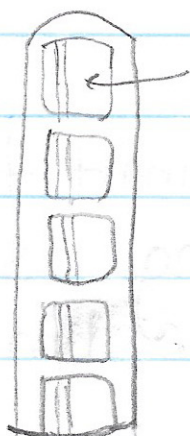
- Controls the strength, durability and hardness.
- too much water makes the mix weak & porous.
- too little water makes the mix too dense, stiff.

- To test the consistency & workability of fresh mixed concrete they do the slump test.



Steel Reinforcement - is used bc concrete is relatively weak in tension; Reinforcement consisting of steel bars, strands or wires.

Reinforcing bars are steel sections hot-rolled with ribs or deformations.



each bar size has different dimensions.