

Cultivating learner's sensitivity like intuition, Proboling
And Developing Confidence.

Intuition. derived from → intuesi ^{means} → Considers
Latin word

Intuition is the ability to acquire knowledge without proof, evidence or conscious reasoning. or without understanding how knowledge was acquired.

Intuition is an immediate understanding or knowing something without reasoning.

Cultivating Intuition. → Intuition is the best instructional method in mathematics education. It promotes learning in particular mathematics. Mathematical problems solving through intuition will have positive effect on the performance of students.

Our ^{Intuition} impacts how much we enjoy a subject. The teacher of mathematics should try to cultivate and develop mathematical intuition.

Student can easily learn with the help of intuition. Teachers should encourage the students and provide all opportunities in the class so that students can learn from intuition.

for eg- If you look at a no. set with a Range
b/w 65 and 85, Comprising of the no.'s 65, 74, 71, 73, 72,
85 and were asked to calculate the average.

Your first guess would be around the

Because, There is one no. below the ToS = 65
" " " " above the LoS = 85.

These two numbers Viscerally Cancel each other out.

Every other no. is in the ToS with 71, 72, 73, 74.

So the av. must be around 73.

All of this occur in very short duration of
Time is a mathematical Intuition.

The more experience you have in a Subject,
not necessarily mathematics, could just be life in
general, the more Intuitive a person becomes.

Cultivating Probing

↓
Thinking about anything deeply

Probing means to search into or Examine thoroughly,
question closely, to probe one's Conscience, to Examine
with a Probe

Probing in mathematics Means.

To ask a lot of questions in order to find hidden information about something.

Teachers should express the things in such a way that students should be involved in the learning process during the concept is going on. Teachers can use the probing techniques while teaching.

For probing teachers can ask the students to explain further what he has taught in the class. Teachers can ask question from previous concept or from new concept. Probe can be used, "Can you explain it more"

Teacher can encourage student by Reinforcement. Probe used here, "you are doing correct"

Teacher should not discourage students by criticism. ~~If teachers use criticism.~~ If students doing something wrong, but in encouraged way, teachers should criticized them.

Reconstruction - Teacher should use technique of reconstruction, Teacher should ask the students something related to the concept. and student give answers and teacher give chance to students to clear the mistake on their own. Teacher can use probe,

"Is it Correct"

"Is it True"

Justification - Student should be given chance to justify their answer. Like "Why".

Relation formation - There should be formation of relation b/w old concept and new concept.

- * Questioning should be done.
- * Develop Confidence in learners
- * Encourage learning from mistakes.
- * Different teaching strategies
- * Positive language.

These are some techniques or steps we can use from probing in teaching concept of mathematics. Student can easily learn any topic with the help of

With the help of Intuition and different steps of Probing we can enhance the interest of student in mathematics. If interest increases then self confidence of students also increases. They get motivated. So, we can develop confidence of students in doing mathematics concept with the help of some different techniques or methods.
