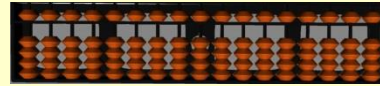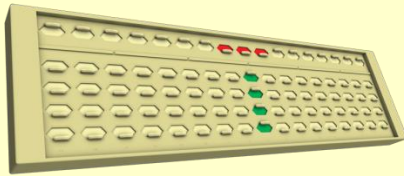# INDIAN ABACUS AND OLD ABACUS–COMPARISON

1. Indian Abacus
Colour of Frame: Light cream colour acts as the best background for the colour images of the value positions – Green and Red. Light cream colour is very friendly to the eyes.

Old Abacus
The colour of the Frame and the beads are darkish and contrast back ground.

2. Indian Abacus
Slots: The slots in which the sliders move are having an ideal fit and the slider movement is very smooth and continuous.

Old Abacus
The rods and beads have play due to imperfect fit. The movement therefore is not comfortable.

3. Indian Abacus
Sliders: Sliders are chosen to hide and unhide the value positions, displayed through the colour images (red and green). Visualization / Photographic memory possible at its best.
The images are of bright and contrast colours. There is absolute clarity and the stress free learning.

Old Abacus
Beads and background are of constant colours and there is no differentiation, which is the biggest weak point in this version of abacus. Photographic / visualization not so strong and much stress to eyes felt by children.

4. Indian Abacus
Sliders: The value positions and non-value positions are clearly defined through colour / no colour images. Hence the accuracy at the maximum speed of calculation is possible.

Old Abacus
The value positions and non-value positions are not clearly defined and hence the accuracy suffers. Stress results due to the deficiency.

5. Indian Abacus

Abacus at Zero position: In the Indian Abacus, the slider positions showing colours are the value positions and the slider positions which sink with cream background are considered as non-value positions. An Indian Abacus Zero position is logically possible when the sliders are closed / hidden.

Old Abacus

Zero position is not possible here because of the dull colour of the beads and always visible.

6. Indian Abacus

Fixing the image: The sliders stay put in the positions when the Indian Abacus is vertically viewed while working and values don't get distorted.

Old Abacus

The beads fall down and the values change while viewing the Abacus with value in a vertical position.

7. Indian Abacus

Time saving in the class: The Teacher can identify / verify the answers from her place when the answers are shown by the students because of the sliders did not fall hence the students are able to do more sums.

Old Abacus

The same is not possible here because of the fall of the beads.

8. Indian Abacus

Colour and non-Colour position: In the Indian Abacus, the colour and non-colour positions of slider positions remove the confusions and the disturbing view. The features mean either value or no value positions which are clear and understanding & memory registry are easier.

Old Abacus

The Same is not possible here because of the non-colour position of the beads. In the old abacus where the beads are homogenous / uniform in colour and therefore distinction between the value and non-value beads is very difficult. Further the non-value beads tend to disturb the vision and the abacus practitioner has a blurred vision of the value beads and the values.

9. Indian Abacus

Digital Abacus and e-learning: Indian Abacus company has developed (with added features to the current version) the Indian Abacus-Digital using which the children can learn the skills operating manually and also working simultaneously connecting to the e-learning site.

The e-learning of this whole process is aimed to reach large number of children in any corner to learn the Abacus skills anytime.

Old Abacus

Manual operation only available.
No digital Abacus and e-learning.

10. Indian Abacus

Abacus learning @ any time anywhere:
On line learning facility enables children to learn Abacus skills sitting at home or any location of the child's choice. The facility also provides the comfort of learning/ practicing / taking assessments anytime & anywhere. Learning in class room calls for personal attention/repeat oaching/special classes involving additional costs and time to be spent Ideal for the children who cannot attend class room sessions.

Old Abacus

The same is not possible.

11. Indian Abacus

Error free calculation: Sliders are chosen to hide and unhide the colour images (Red and Green) displayed for specific values. Visualization and image memory are 100%.

Old Abacus

Beads and background are of close colours (Brown and Black) and there is no differentiation.

12. Indian Abacus

Stress free View: Children's attention is drawn by every moved slider for a value, as the moving of the slider towards the bar unhides the colour image. Stimulus is greater, hence strain is less. Learning will be therefore easy through quicker comprehension. Speed is enhanced since reflexes will be fast.

Old Abacus

The children learning have to strain the eyes a bit to isolate 'the value beads from no- value beads. Children are prone to commit errors in calculations and also the deficiency to provide clarity strains the children. Poor sight and more intense focus required reduces the speed of calculations.

13. Indian Abacus

Firm Answers: Sliders are stable and firm and answers will be perfect.

Old Abacus

The same is not possible.

Indian Abacus Private Limited