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**Product Name :**

Rack Single Rod (Student)

**Product Code :**

SLE/PP/04



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# Description :

**Rack Single Rod (Student)** (Product Code: SLE/PP/04) is a wooden bead rack used to help young children structure numbers in fives and tens and add and subtract mentally up to 20. Each rack carries 20 beads in alternating groups of 5 white and 5 red, with a rubber clip for marking a number, and is stated for 1 child aged 5 to 7 years. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as a hands-on maths aid for pre-primary and primary school classes.

## Key Details

| Parameter | Detail |
|---|---|
| Rack | Wooden rack with 20 beads |
| Bead structure | Alternating groups of 5 white and 5 red beads |
| Marker | Rubber clip for locating numbers on the rack |
| Teacher support | Write-up with details of activities |
| Group size | For 1 child |
| Age range | 5 to 7 years |
| Concepts | Structuring numbers with the pattern of five; doubles and near doubles (such as 6 and 6, 6 and 7); halving numbers such as 6, 8, 10 and 12; mental addition and subtraction up to 20; quantity sense and number sequence to 20; number combinations of 10 |
| Product code | SLE/PP/04 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

## What Is the Single Rod Bead Rack Used For?

Because the beads change colour every five, a child can show 8 as five white and three red in a single push instead of counting one bead at a time. This structure of five and ten is the key to quick mental arithmetic: to add 8 and 5, the child fills up to 10 and sees 3 more beyond it. Number combinations of 10 become visible too, as a group of 10 beads splits into 7 and 3 or 6 and 4.

Doubles such as 6 and 6, and near doubles such as 6 and 7, can be built and compared along the rod, while halving 8, 10 or 12 means splitting the beads into two equal parts. Give each child a rack, call out a sum, and ask everyone to hold up their answer with the clip marking the result, so the teacher can check the whole class at a glance.

## What to Specify When Ordering

- Number of racks: each rack is for 1 child.
- Whether the Rack Double Rod (Student) is also wanted for doubles work.
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