



# NATIONAL ACHIEVEMENT SURVEY(NAS) IN INDIA

A Presentation by

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# National Achievement Survey in India

- National Achievement Surveys a baseline against which changes in educational standards can be monitored.

## History of NAS Sampled Based Survey Cycles Completed

SURVEY CYCLE	CLASS V	CLASS VIII	CLASS III
CYCLE I	2001 – 2002	2002 – 2003	2003 – 2004
CYCLE II	2005 – 2006	2007 – 2008	2007 – 2008
CYCLE III	2009 – 2011	2010 – 2013	2012 – 2013
CYCLE IV	2014 – 2015	2015 – 2016	2015 – 2016

SUBJECTS TESTED	Mathematics, Language, Environmental Studies	Mathematics, Language, Science, Social Science	Mathematics, Language
<b>Background Questionnaires – Student, Teacher and School</b>			

# Challenges in Generating Indicators in Earlier Cycles of NAS

- ✓ Learning outcomes were not in place- so the testing of content was in focus
- ✓ Classes 3, 5 and 8 assessed in different academic years – which was time consuming and was not providing a consolidated picture of health of school system at different stages in the same year to take post NAS interventions at a time
- ✓ Focus was not on identification of learning gaps in all the districts of the country
- ✓ Delay in dissemination of findings due to lack of coordination among different agencies and inadequate use of technology

# Shifting from Content to Competency Based Testing and Expanding Coverage of NAS in 2017

- The **NAS** was conducted throughout the country on November 13, 2017 for Classes 3, 5 and 8 in government and government aided schools.
- The learning levels of 2.2 million students from 1,10,000 schools across 701 districts in all 36 States/UTs were assessed.
- The survey tools used multiple test booklets with 45 questions in Classes III and V and 60 questions in Class VIII in Mathematics, Language, Sciences and Social Sciences.
- The competency based test questions developed, reflected the Learning Outcomes developed by the NCERT which were recently incorporated in the RTE Act by the Government of India.
- Questionnaires pertaining to students, teachers and schools were also used.

# Learning Outcomes(Competencies)

## Class 3 (Mathematics)

M301	reads and writes numbers up to 999 using place value
M304	constructs and uses the multiplication facts (up till 10) in daily life situations

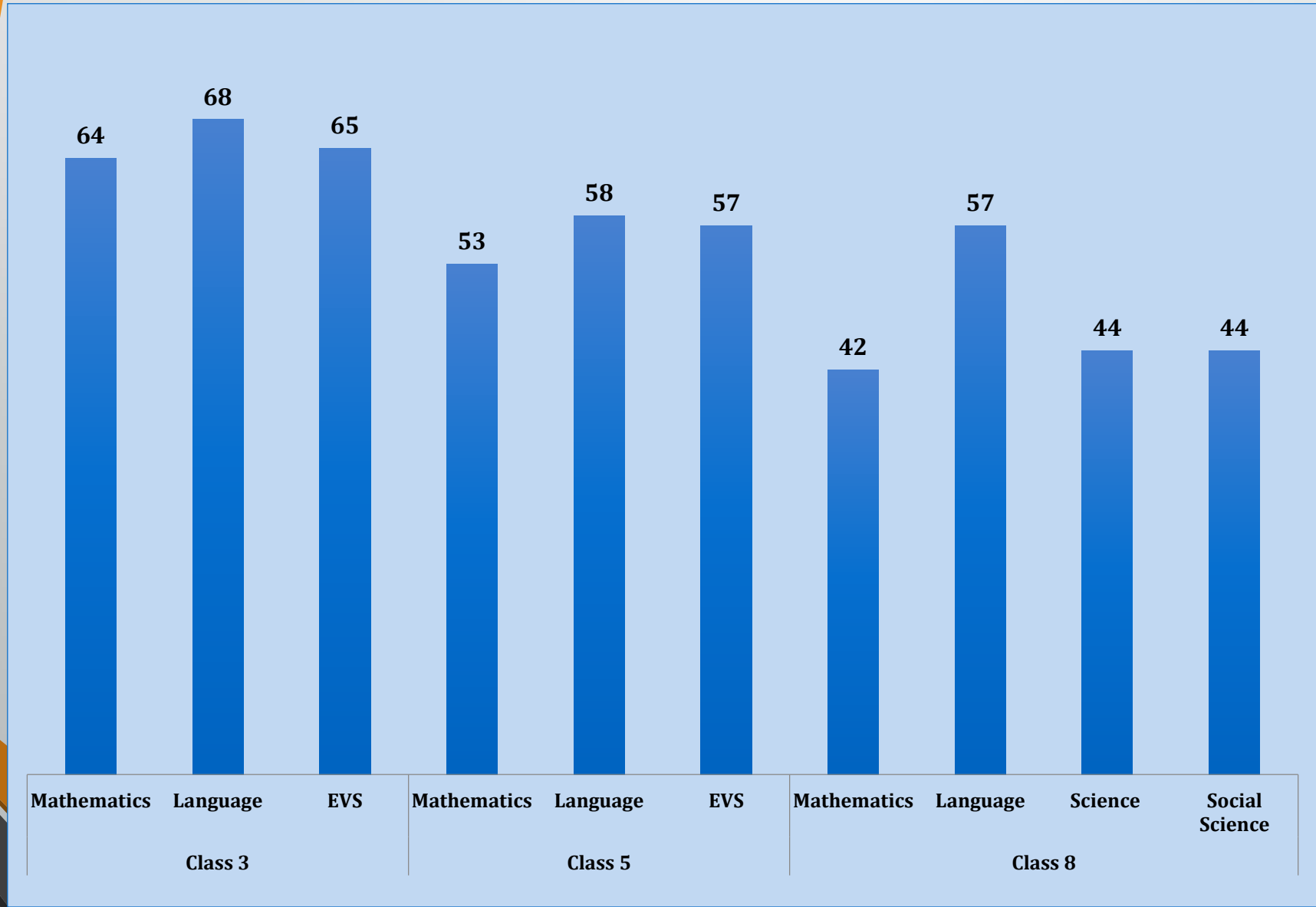
## Class 3 (Language)

L304	reads small texts with comprehension i.e., identifies main ideas, details, sequence and draws conclusions
L312	reads printed scripts on the classroom walls: poems, posters, charts etc

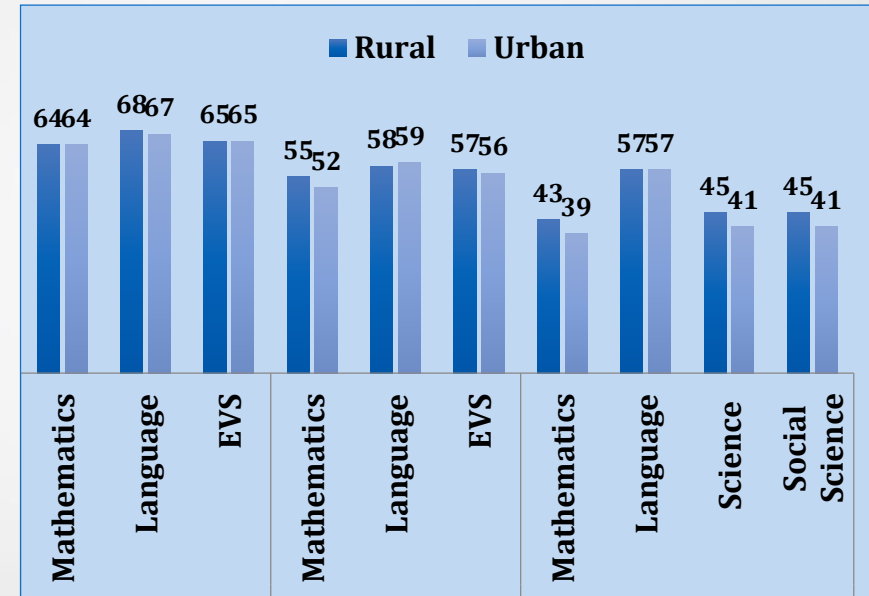
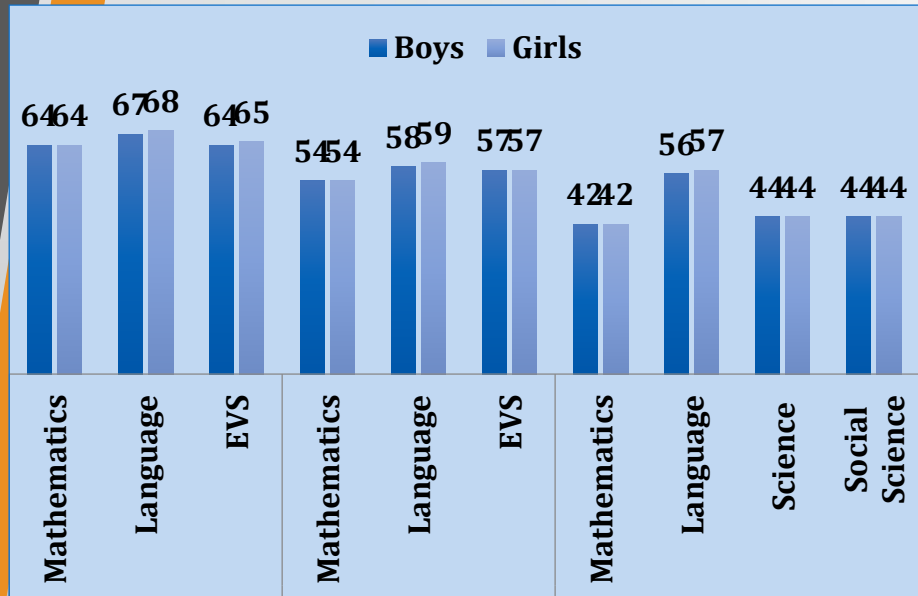
## Class 3 (EVS)

E302	identifies simple features (e.g. movement, at places found/ kept, eating habits, sounds) of animals and birds in the immediate surroundings.
E303	identifies relationships with and among family members

# National Average Achievement by Classes and Subjects- NAS 2017



# National Achievement by Classes and Subjects with respect to gender, area, social group and management in NAS 2017



- There is no much variation in the scores of children belonging to social categories such as SC, ST, OBC and General.
- There is no much variation in the scores of children from schools having government and private management.

# District and State Report Cards(DRCs and SRCs)

- <http://www.ncert.nic.in/programmes/NAS/DRC.html>
- If you click on the above link , you will get district report cards state- wise.
- In each state folder, there will be district-wise folders.
- In each district folder, there will be 10 DRCs.
- <http://www.ncert.nic.in/programmes/NAS/pdf/state/Tripura.pdf>
- If you click on the above link , you will get State learning reports for all states/UTs in India



# Implications and Way Forward

- The NAS evaluates a representative sample of schools from all districts in India to understand the health of the education system in government and government aided schools.
- Findings from the NAS used as inputs in policy, planning and designing pedagogical interventions to improve the students' learning outcomes.
- NAS is not designed to assess the individual student performance therefore it is low stake.
- NAS 2017 has informed us about the learning levels of children at different stages and also about the learning outcomes on which score is very low
- We are in process of providing comprehensive post NAS interventions – capacity building of states/UTs to train their teachers to address gaps in learning outcomes using need based pedagogies suited to child's needs and contexts.
- Next NAS will give us a picture of the effectiveness of these interventions in improving learning outcomes of children



Thank You