



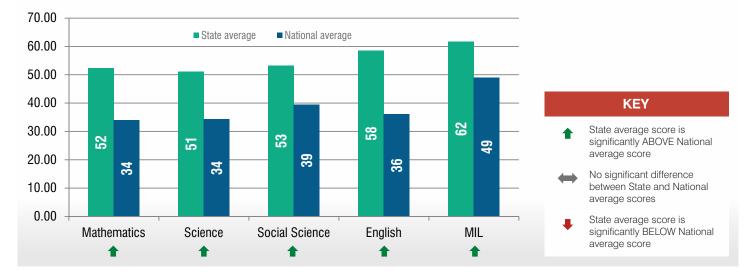


## NATIONAL ACHIEVEMENT SURVEY – CLASS X CYCLE 2 (2017-18)



This State Report Card (SRC) of National Achievement Survey (NAS) Class X (Cycle 2) provides an overview of students' academic performance in the state. The NAS surveyed a representative sample of all school types in each state and measured students' performance in five subjects – Mathematics, Science, Social Science, English and Modern Indian Languages (MIL) — Reading Comprehension.

## Performance of students in your state: Average Percent Correct



### Distribution of students by range (percent correct)

SUBJECTS		0 – 35 (%)	36 – 50 (%)	51 – 75 (%)	76 – 100 (%)
Mathematics	State	28	23	31	18
	National	67	20	11	2
Science	State	23	28	39	10
	National	62	27	10	1
Social Science	State	16	28	47	9
	National	44	38	17	1
English	State	14	22	42	22
English	National	61	21	15	3
Modern Indian Language (MIL)	State	10	16	50	24
	National	27	27	39	7



#### **Educational Survey Division**

राष्ट्रीय शैक्षिक अनुसंधान और प्रशिक्षण परिषद् NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING Sri Aurobindo Marg, New Delhi 110 016

# Performance by: LOCATION

Subjects	Rural (% Correct)	Urban (% Correct)	Significant Difference
Mathematics	52	53	$\Leftrightarrow$
Science	50	51	$\Leftrightarrow$
Social Science	53	53	$\Leftrightarrow$
English	57	59	$\Leftrightarrow$
MIL	63	61	$\Leftrightarrow$

Performance by: <b>GENDER</b>			
Subjects	Girls (% Correct)	Boys (% Correct)	Significant Difference
Mathematics	51	53	$\Leftrightarrow$
Science	51	51	$ \Longleftrightarrow $
Social Science	54	53	$ \Longleftrightarrow $
English	62	56	1
MIL	64	60	1

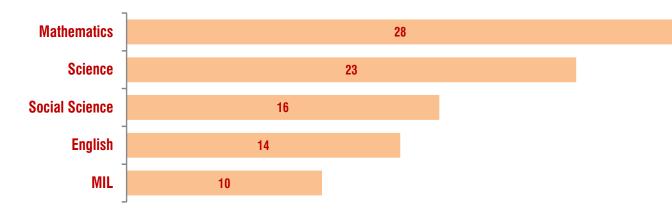
Performance by: SOCIA	L GROUP								
Subjects	SC (% Correct)	Others (% Correct)	Significant Difference	ST (% Correct)	Others (% Correct)	Significant Difference	OBC (% Correct)	Others (% Correct)	Significant Difference
Mathematics	45	53	ŧ	44	53	$ \Longleftrightarrow $	52	53	$\Leftrightarrow$
Science	51	52	$\Leftrightarrow$	47	52	$\Leftrightarrow$	50	52	$\Leftrightarrow$
Social Science	48	55	ŧ	49	55	ŧ	52	55	ŧ
English	52	61	ŧ	61	61	+	55	61	ŧ
MIL	59	62	$\Leftrightarrow$	57	62	$\Leftrightarrow$	62	62	$\Leftrightarrow$

# Student participation: **PERCENT**

	State sample			State sample			
Group	Number of students	%		Group	Number of students	%	
Girls	3790	42		Rural	3386	37	
Boys	5266	58		Urban	5670	63	

Group	Number of students	%
SC	549	6
ST	134	1
OBC	3079	34
Others	5294	59

# MAXIMUM INTERVENTION REQUIRED (% of Students score below 35%)



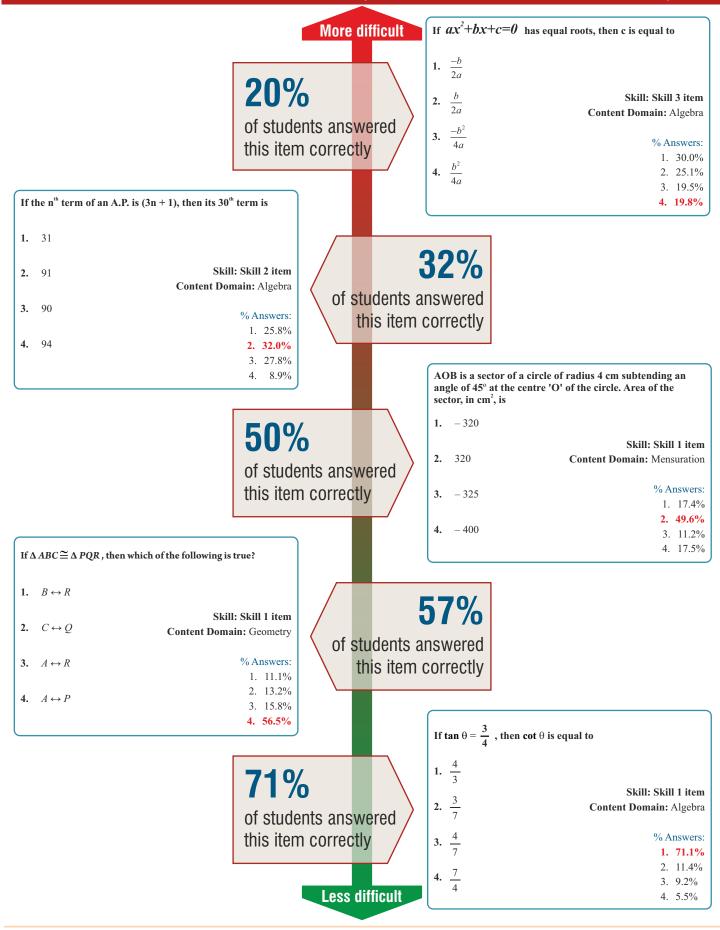
# Skill-wise performance: (ITEM % CORRECT)

Subjects	Skill 1 (% correct)	Skill 2 (% correct)	Skill 3 (% correct)
Mathematics	56	51	48
Science	56	51	48
Social Science	55	53	52
English	73	57	61
MIL	63	62	64

Skill 1	Remembering: Recognizing or recalling knowledge from memory.
Skill 2	<b>Understanding:</b> Constructing meaning from different types of functions be they written or graphic messages.
Skill 3	Applying: Carrying out or using a procedure through executing, or implementing.

Subjects	Content domain	State average (percent correct)	National average (percent correct)	Significan difference
	Mathematics (overall)	52	34	•
	Algebra	53	35	•
	Geometry	54	35	•
	Mensuration	54	34	•
MATHEMATICS	Trigonometry	60	37	•
	Coordinate geometry	44	29	•
	Number system	44	30	•
	Statistics	42	33	•
	Probability	57	35	•
	Science (overall)	51	34	<b>†</b>
	Food	50	35	+
	Materials	53	33	+
00/5/105	The living world	54	38	+
SCIENCE	Moving things, people and ideas	46	35	+
	How things work	31	22	+
	Natural phenomena	46	27	+
	Natural resources	56	40	1
	Social science (overall)	53	39	ŧ
	History	53	38	+
OCIAL SCIENCE	Geography	48	39	ŧ
	Economics	57	40	+
	Political science	54	41	•
	English (overall)	58	36	•
ENGLISH	Reading comprehension	63	37	1
	Language element	53	35	•
ODERN INDIAN	Modern Indian Language (overall)	62	49	•
ANGUAGE (MIL)	Reading comprehension	64	52	•

### What students know and can do: MATHEMATICS (Performance of the students at the National level)

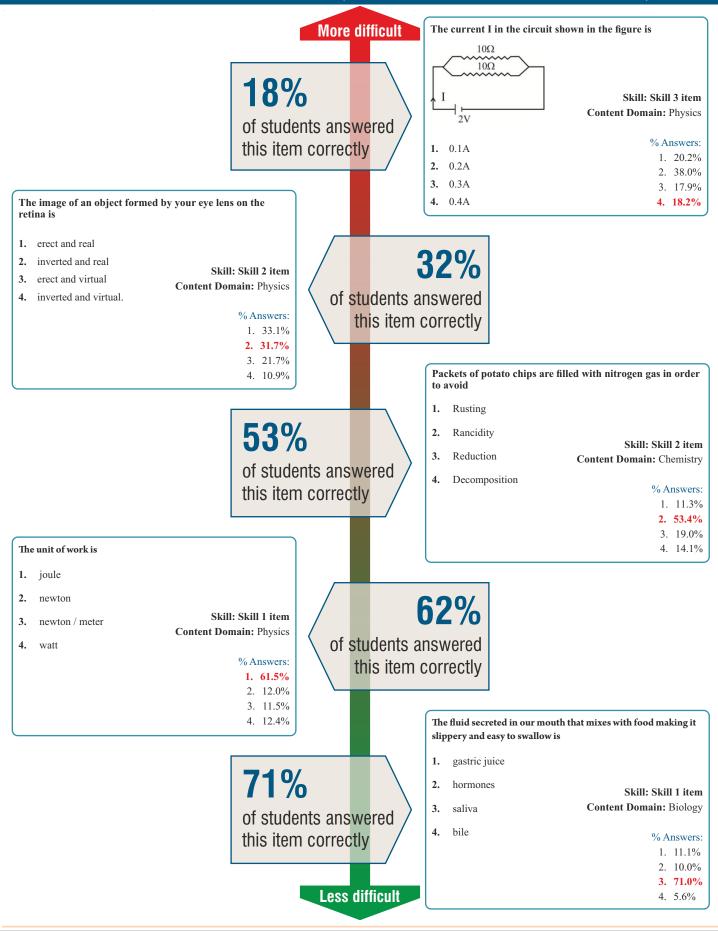


NAS item

This ladder shows the percentage of students answering selected NAS items correctly.

It provides a snapshot of what students know and can do in Mathematics.

#### What students know and can do: SCIENCE (Performance of the students at the National level)



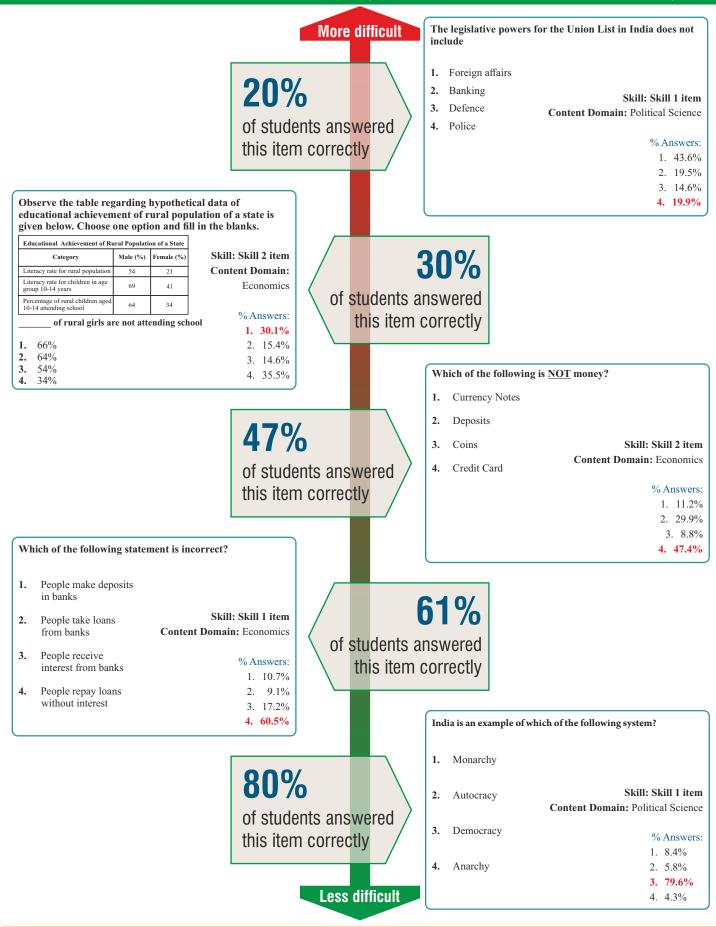
This ladder shows the percentage of students answering selected NAS items correctly.

It provides a snapshot of what students know and can do in Science.

NAS

item

#### What students know and can do: SOCIAL SCIENCE (Performance of the students at the National level)



NAS items

This ladder shows the percentage of students answering selected NAS items correctly.

It provides a snapshot of what students know and can do in Social Science.

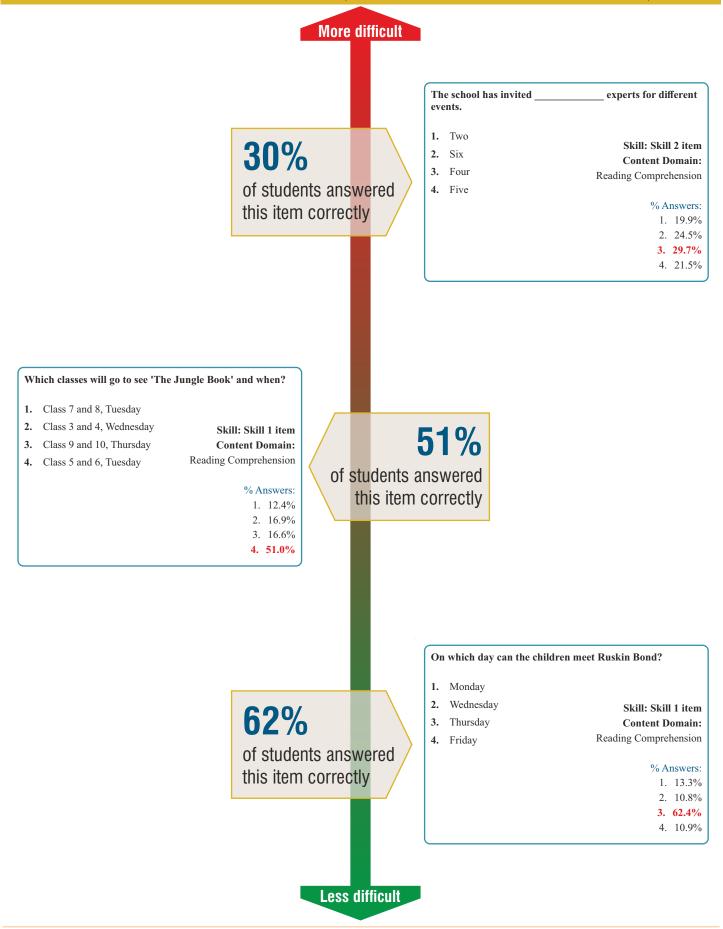
# What students know and can do: ENGLISH (Performance of the students at the National level)

#### Read the chart given below and answer the following questions.

A school decided to celebrate Book Week. The chart below shows the schedule of activities planned. Study the chart carefully and answer the questions that follow.

DAY	CLASS / ACTIVITY IN SCHOOL	VENUE	CLASS / OUTDOOR ACTIVITIES
	Class 1 - 2 : Designing bookmarks	Classrooms	Class 8 Visit to National Library
MONDAY	Class 3 - 4 : Role play	Hall -1	
	Class 5 - 6 : My favourite booktalk	Library	
TUESDAY	Class 3 - 4 : Chain story telling	Auditorium	Class 5 – 6 Film : The Jungle Book
TUESDAY	Class 7 - 8 : Theatre workshop by Barry John	Hall -1	
	Class 1 - 2 : Meet the fairy tale characters	Auditorium	
	Class 3 - 4 : Show and tell	Hall -1	
WEDNESDAY	Class 5 - 6 : Poetry recitation	Hall -2	
	Class 7 - 8 : Designing a bookcover— by Santosh Rai	Art room	
THUDODAY	Class 7 - 8 : Quiz: conducted by Mandeep Kaur	Hall -2	Class 3 - 4 Visit to National Book Trust
THURSDAY	Class 9 -10 : Meet the author Ruskin Bond	Library	
FRIDAY	Class 5 - 6 : Book reading by students	Classrooms	

What students know and can do: ENGLISH (Performance of the students at the National level)



NAS items

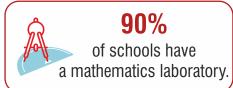
This ladder shows the percentage of students answering selected NAS items correctly.

It provides a snapshot of what students know and can do in English.

## SELECTED SCHOOL CHARACTERISTICS



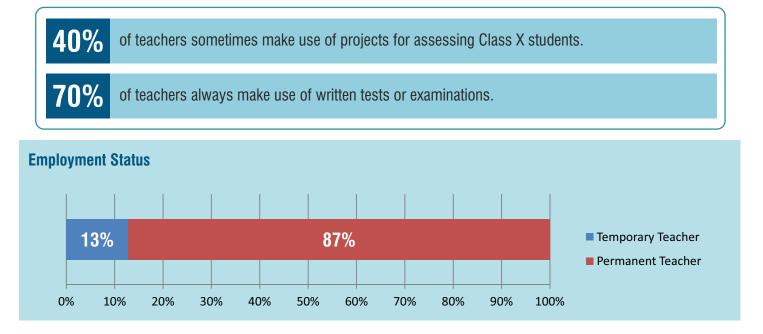
**96%** of schools have a science laboratory.



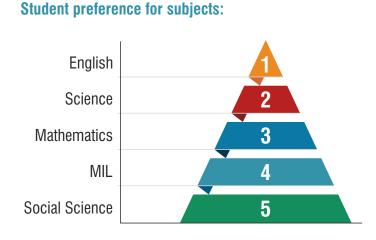


**96%** of schools have a library.

## SELECTED TEACHER CHARACTERISTICS

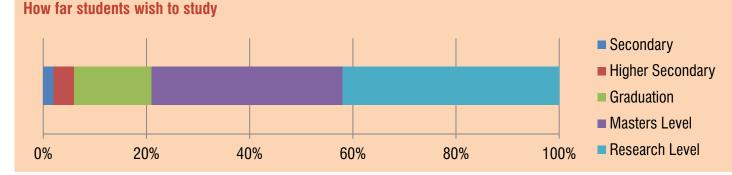


## **SELECTED STUDENT CHARACTERISTICS IN YOUR STATE**



**36%** of students

travel more than 5km to school.



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# **CORE TEAM**

## MHRD

- Ms. Rina Ray, IAS, Secretary School, Education and Literacy (SE&L)
- Shri. Maneesh Garg, Joint Secretary, School Education and Literacy (SE&L)
- Ms. Nigar Fatima Husain, Director (RMSA-I)
- Ms. Nazli Jafari Shayin, Director (RMSA-II)
- Dr. Letha Ram Mohan, Chief Consultant, Quality and Innovation, (TSG)
- Mr. Muktar Alam, Sr. Consultant, Quality and Innovation, (TSG)

## NCERT

- Prof. Hrushikesh Senapaty, Director, NCERT
- Dr. Indrani Bhaduri, Professor & Head
- Dr. Sridhar Srivastava, Professor
- Dr. Veer Pal Singh, Professor
- Dr. A.D. Tewari, Professor
- Dr. Pratima Kumari, Associate Professor
- Dr. Sukhvinder, Assistant Professor
- Dr. Vishal D. Pajankar, Assistant Professor
- Dr. Satya Bhushan, Assistant Professor
- Dr. Gulfam, Assistant Professor
- Shri N. L. Srinivas, Sr. System Analyst
- Shri Md. Arif Sadiq, Programmer
- Shri Vishwa Bandhu, Programmer

## **EXTERNAL**

• World Bank, India

# **STATE FUNCTIONARIES**

School Boards, CBSE, ICSE, State Directorate of Education, SCERTs, SIEs, Schools



## For Any Clarification Please Contact:

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NAS for Transforming School Education