



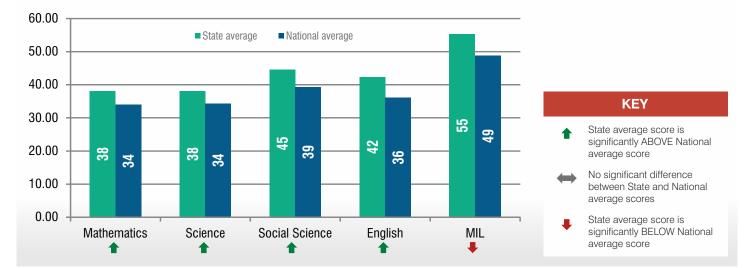


## NATIONAL ACHIEVEMENT SURVEY – CLASS X CYCLE 2 (2017-18)



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	53	27	18	2
Mathematics	National	67	20	11	2
Science	State	47	36	16	1
	National	62	27	10	1
Social Science	State	29	39	31	1
	National	44	38	17	1
English	State	41	30	26	3
English	National	61	21	15	3
Modern Indian Language (MIL)	State	14	23	55	8
	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	39	36	$\Leftrightarrow$
Science	39	36	$ \Longleftrightarrow $
Social Science	46	42	<b>†</b>
English	41	44	ŧ
MIL	57	53	ŧ

## Performance by: **GENDER**

Subjects	Girls (% Correct)	Boys (% Correct)	Significant Difference
Mathematics	38	38	1
Science	38	38	1
Social Science	45	34	<b>†</b>
English	43	42	<b>†</b>
MIL	57	54	t

# Performance by: SOCIAL GROUP

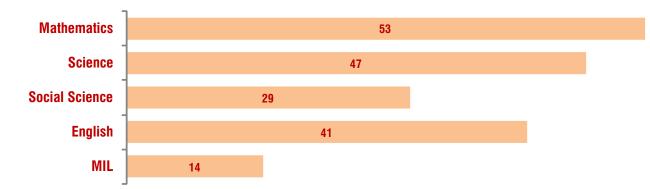
Subjects	SC (% Correct)	Others (% Correct)	Significant Difference	ST (% Correct)	Others (% Correct)	Significant Difference	OBC (% Correct)	Others (% Correct)	Significant Difference
Mathematics	37	40	ŧ	38	40	ŧ	38	40	ŧ
Science	37	39	ŧ	38	39	$\Leftrightarrow$	38	39	ŧ
Social Science	44	45	ŧ	46	45	$\Leftrightarrow$	45	45	$\Leftrightarrow$
English	40	50	ŧ	40	50	ŧ	43	50	ŧ
MIL	54	57	ŧ	54	57	ŧ	56	57	ŧ

## Student participation: **PERCENT**

	State sample			State sample		
Group	Number of students	%		Group	Number of students	%
Girls	51059	50		Rural	61165	60
Boys	51098	50		Urban	40992	40

Group	Number of students	%
SC	19291	19
ST	8220	8
OBC	67221	66
Others	7425	7

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



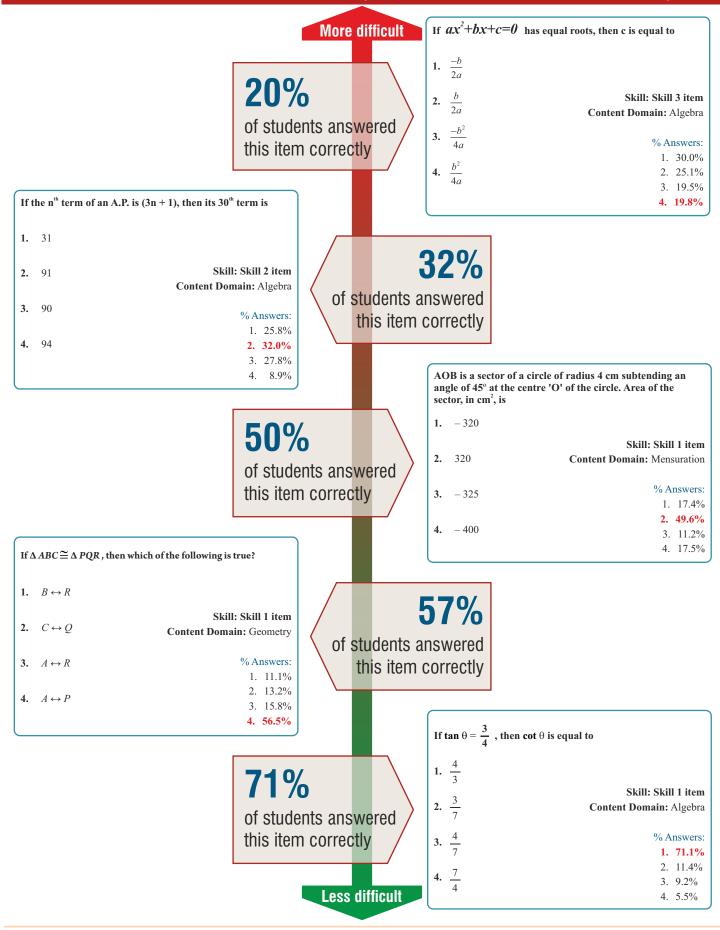
## Skill-wise performance: (ITEM % CORRECT)

Subjects	Skill 1 (% correct)	Skill 2 (% correct)	Skill 3 (% correct)
Mathematics	42	38	34
Science	42	36	38
Social Science	48	44	42
English	50	38	40
MIL	59	50	56

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)	38	34	+
	Algebra	38	35	+
	Geometry	41	35	+
	Mensuration	34	34	$\Leftrightarrow$
MATHEMATICS	Trigonometry	43	37	+
	Coordinate geometry	28	29	+
	Number system	39	30	ŧ
	Statistics	34	33	+
	Probability	40	35	+
	Science (overall)	38	34	ŧ
	Food	43	35	ŧ
	Materials	37	33	ŧ
SCIENCE	The living world	45	38	+
SCIENCE	Moving things, people and ideas	37	35	1
-	How things work	22	22	$\Leftrightarrow$
-	Natural phenomena	25	27	+
	Natural resources	47	40	Ť
	Social science (overall)	45	39	ŧ
	History	44	38	•
OCIAL SCIENCE	Geography	42	39	ŧ
	Economics	46	40	+
	Political science	46	41	ŧ
	English (overall)	42	36	•
ENGLISH	Reading comprehension	43	37	1
	Language element	42	35	1
ODERN INDIAN	Modern Indian Language (overall)	55	49	+
ANGUAGE (MIL)	Reading comprehension	54	52	•

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

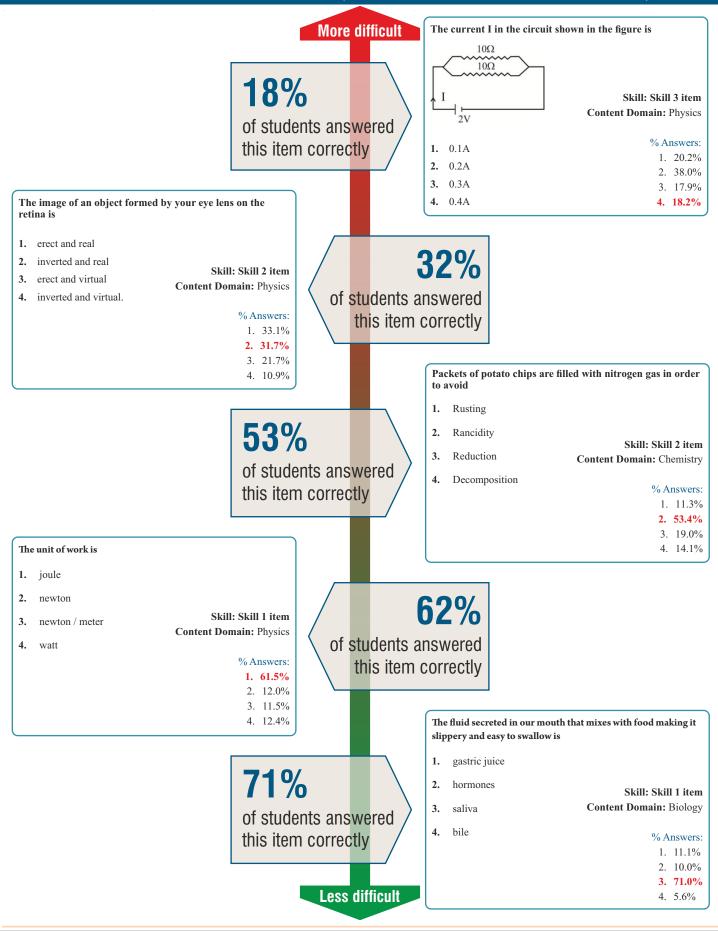


NAS item

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)



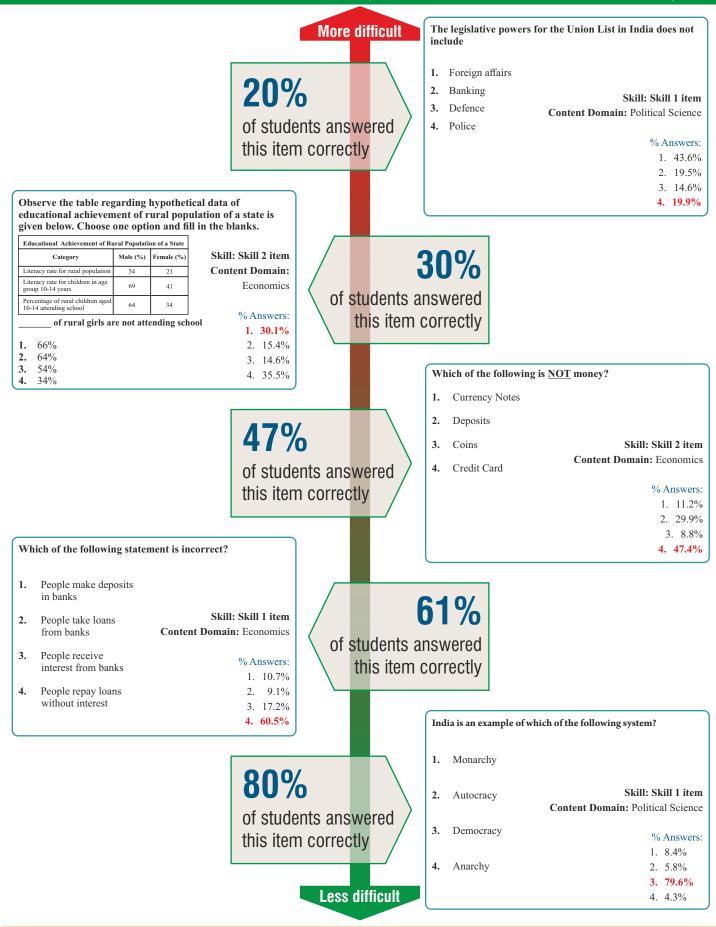
This ladder shows the percentage of students answering selected NAS items correctly.

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.

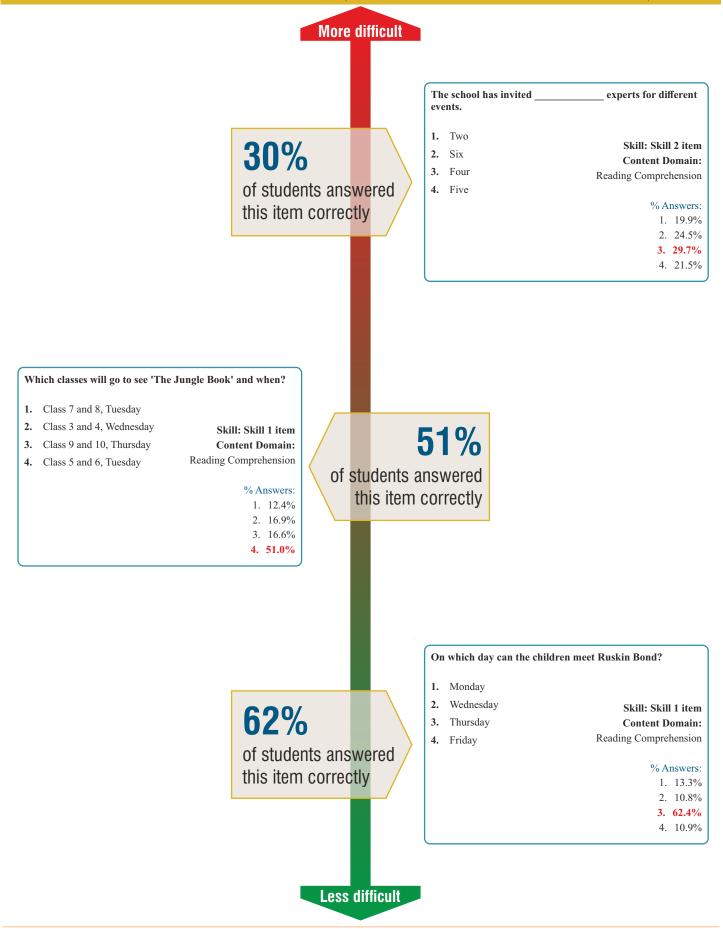
## What students know and can do: ENGLISH (Performance of the students at the National level)

#### 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	
THEODAY	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

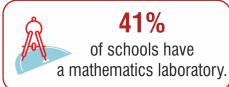
This ladder shows the percentage of students answering selected NAS items correctly.

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

#### SELECTED SCHOOL CHARACTERISTICS



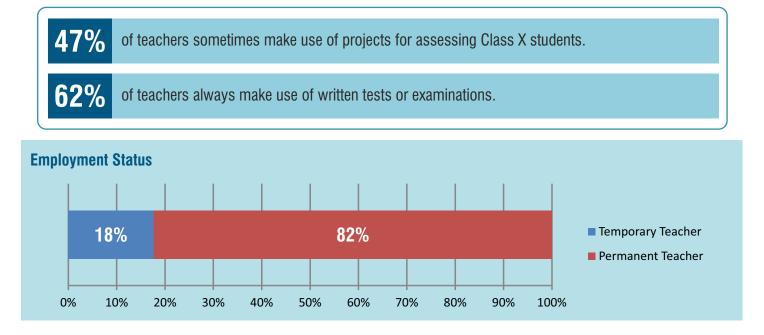
**84%** of schools have a science laboratory.



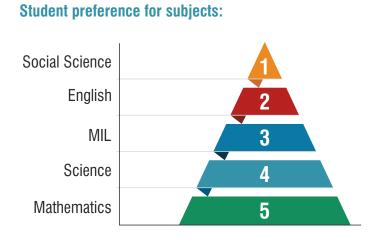


**92%** of schools have a library.

## **SELECTED TEACHER CHARACTERISTICS**

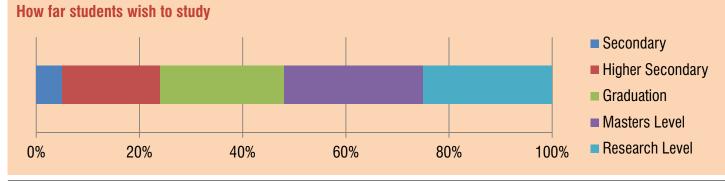


#### **SELECTED STUDENT CHARACTERISTICS IN YOUR STATE**





**23%** of students travel more than 5km to school.



## **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:

**Prof. Indrani Bhaduri** Head, Educational Survey Division NCERT, New Delhi Mobile No.: +91 9718106995 Email Id: indranibhaduri@gmail.com

NAS for Transforming School Education