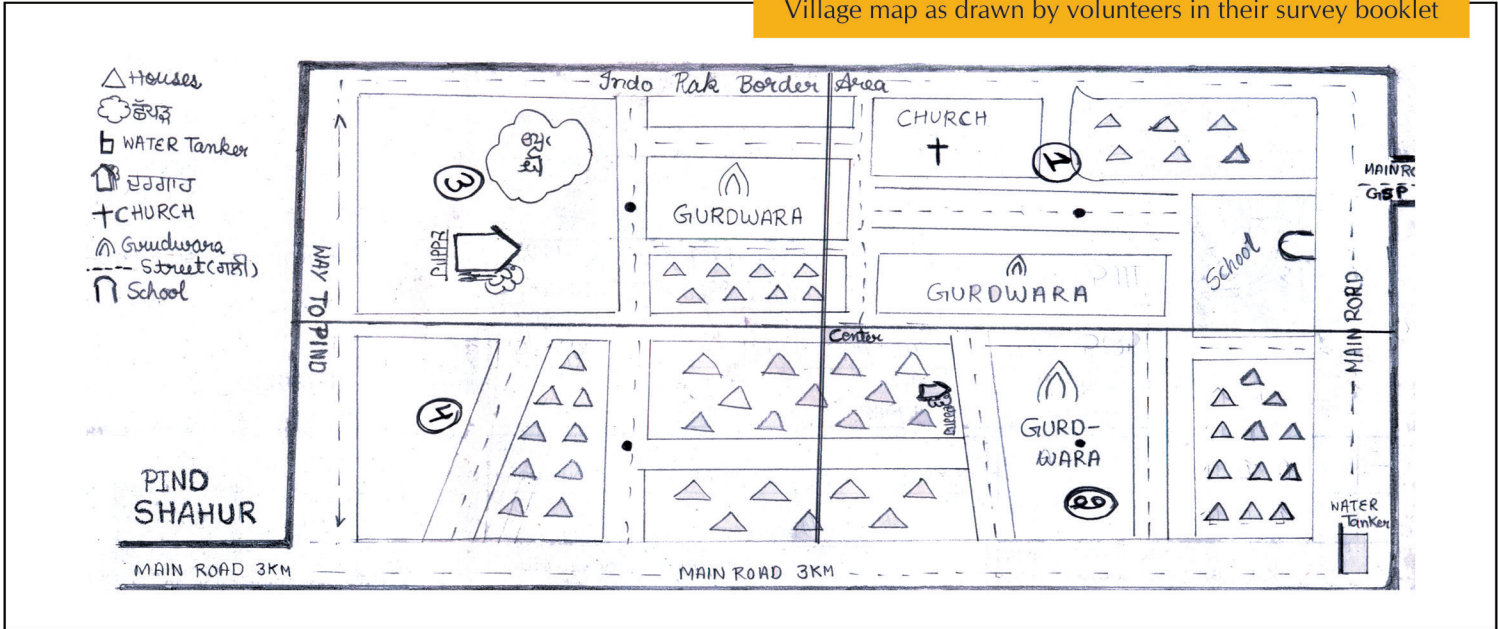




# Punjab

Village map as drawn by volunteers in their survey booklet



## School enrollment

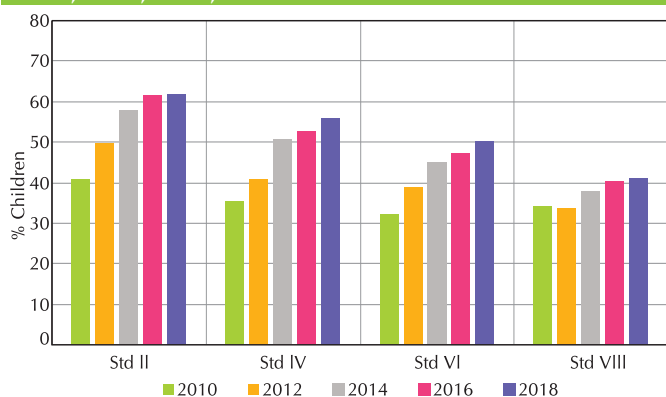
**Table 1: % Children enrolled in different types of schools by age group and gender 2018**

Age group	Govt	Pvt	Other	Not in school	Total
Age 6-14: All	46.7	52.2	0.0	1.0	100
Age 7-16: All	47.9	50.1	0.1	2.0	100
Age 7-10: All	41.7	57.8	0.1	0.5	100
Age 7-10: Boys	39.5	59.8	0.1	0.7	100
Age 7-10: Girls	44.1	55.5	0.1	0.3	100
Age 11-14: All	51.7	46.7	0.0	1.6	100
Age 11-14: Boys	47.9	50.5	0.0	1.6	100
Age 11-14: Girls	56.0	42.4	0.0	1.6	100
Age 15-16: All	52.8	40.9	0.1	6.2	100
Age 15-16: Boys	52.2	41.3	0.2	6.2	100
Age 15-16: Girls	53.4	40.4	0.0	6.2	100

'Other' includes children going to Madarsa or EGS.

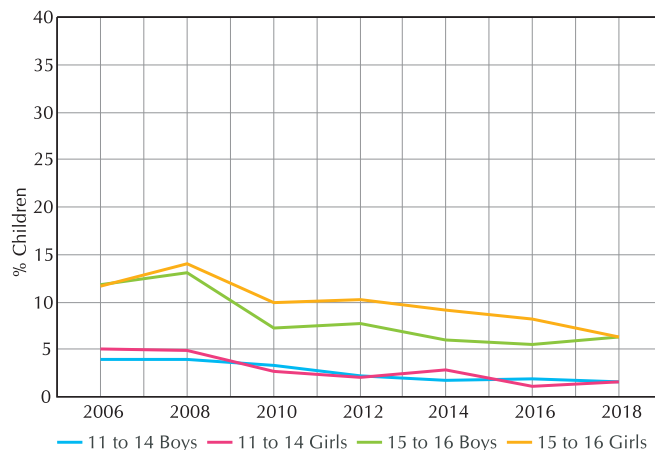
'Not in school' includes children who never enrolled or have dropped out.

**Chart 2: Trends over time**  
 % Children enrolled in private schools in Std II, IV, VI and VIII 2010, 2012, 2014, 2016 and 2018



The proportion of children going to private school often varies by grade. There are also changes over time. For example, in 2018 private school enrollment in Std II is 61.9% as compared to 41.2% in Std VIII.

**Chart 1: Trends over time**  
 % Children not enrolled in school by age group and gender 2006, 2008, 2010, 2012, 2014, 2016 and 2018



Each line shows trends in the proportion of children not enrolled in school for a particular subset of children. For example, the proportion of girls (age 15-16) not enrolled in school was 11.7% in 2006, 10.3% in 2012, and 6.2% in 2018.

**Table 2: Age-grade distribution**  
 % Children in each grade by age 2018

Std	Age	≤5	6	7	8	9	10	11	12	13	14	15	16	Total	
I	≤5	26.2	31.7	29.2	7.9									100	
	6-16	5.0													
II	≤5	5.5	16.2	36.9	29.9	7.9								100	
	6-16	3.7													
III	≤5	3.6	18.7	38.5	25.0	11.3							100		
	6-16	2.9													
IV	≤5	5.4		17.4	34.8	31.4	7.9						100		
	6-16	3.1													
V	≤5	4.7			17.3	39.2	27.6	8.6					100		
	6-16	2.7													
VI	≤5	4.0				18.7	37.1	29.8	7.1					100	
	6-16	3.4													
VII	≤5	4.4					16.3	44.8	25.5	7.5	1.5				100
	6-16	1.5													
VIII	≤5	4.9						23.4	38.1	25.2	6.3	2.2			100
	6-16	2.2													

This table shows the age distribution for each grade. For example, of all children in Std III, 38.5% children are 8 years old but there are also 18.7% who are 7, 25% who are 9, 11.3% who are 10, and 2.9% who are 11 or older.

## Young children in pre-school and school

**Table 3: % Children age 3-8 enrolled in different types of pre-schools and schools 2018**

Age	Pre-school			School			Not in pre-school or school	Total
	Anganwadi	Govt LKG/UKG	Pvt LKG/UKG	Govt	Pvt	Other		
Age 3	32.3	5.4	37.4	1.6	1.2	0.0	22.1	100
Age 4	16.3	11.2	58.9	5.2	4.2	0.0	4.2	100
Age 5	5.4	8.2	57.0	17.0	10.6	0.0	1.8	100
Age 6	1.6	2.5	32.5	28.7	34.5	0.0	0.3	100
Age 7	0.1	0.7	9.3	34.8	54.9	0.1	0.1	100
Age 8	0.1	0.1	1.0	39.2	59.1	0.0	0.5	100





Data is not presented where sample size is insufficient.

## Reading

ASER learning assessments are conducted in the household. Children in the age group 5-16 are assessed. Assessments are conducted in 19 languages across the country. The type of school in which children are enrolled (government or private) is also recorded.

**Table 4: % Children by grade and reading level**  
 All children 2018

Std	Not even letter	Letter	Word	Std I level text	Std II level text	Total
I	25.0	41.1	23.7	5.0	5.3	100
II	10.2	23.9	29.1	15.0	21.7	100
III	7.1	15.5	19.0	19.1	39.4	100
IV	3.5	7.9	7.6	15.2	65.8	100
V	2.4	5.9	7.0	13.2	71.6	100
VI	1.4	3.6	7.7	8.2	79.0	100
VII	1.8	3.7	5.3	6.3	82.9	100
VIII	1.9	3.7	2.8	6.5	85.1	100

The reading tool is a progressive tool. Each row shows the variation in children's reading levels within a given grade. For example, among children in Std III, 7.1% cannot even read letters, 15.5% can read letters but not words or higher, 19% can read words but not Std I level text or higher, 19.1% can read Std I level text but not Std II level text, and 39.4% can read Std II level text. For each grade, the total of these exclusive categories is 100%.

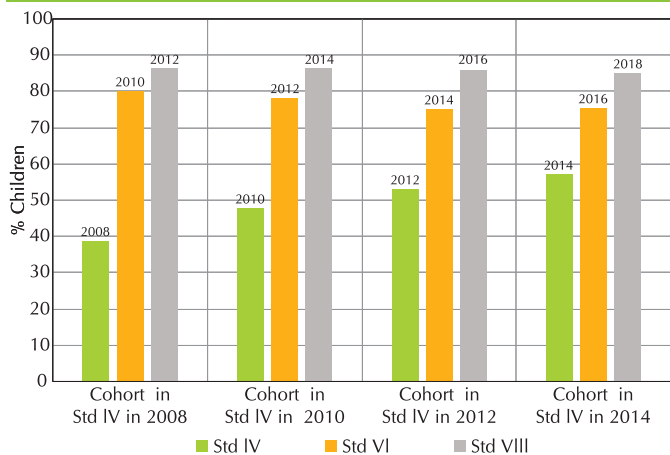
**Table 5: Trends over time**  
 Reading in Std III by school type  
 2012, 2014, 2016 and 2018

Year	% Children in Std III who can read Std II level text		
	Govt	Pvt	Govt & Pvt*
2012	33.5	43.7	38.3
2014	24.1	41.4	33.6
2016	30.6	39.2	35.2
2018	36.4	41.8	39.4

\* This is the weighted average for children in government and private schools only.

The highest level in the ASER reading assessment is a Std II level text. Table 5 shows the proportion of children in Std III who can read Std II level text. This figure is a proxy for "grade level" reading for Std III. Data for children enrolled in government schools and private schools is shown separately.

**Chart 3: Trends over time**  
 % Children who can read Std II level text  
 Cohorts of children in Std IV in 2008, 2010, 2012 and 2014



This graph shows the progress of four cohorts from Std IV to Std VIII. For example, the first cohort was in Std IV in 2008, in Std VI in 2010, and in Std VIII in 2012. For this cohort, % children who could read Std II level text in Std IV (in 2008) was 38.7% and in Std VI (in 2010) was 80.1%. When the cohort reached Std VIII in 2012, this figure was 86.3%. The progress of each of these cohorts can be understood in the same way.

## Reading Tool (Punjabi)

Std II level text	Std I level text
<p>ਕੱਲੂ ਬਹੁਤ ਗਰਮੀ ਸੀ। ਸਾਰੇ ਗਰਮੀ ਕਾਰਨ ਪਰੇਸ਼ਾਨ ਸਨ। ਅੱਜ ਸਵੇਰੇ ਅਚਾਨਕ ਕਾਲੇ-ਕਾਲੇ ਬੱਦਲ ਛਾ ਗਏ। ਚਾਰੇ ਪਾਸੇ ਹਨੇਰਾ ਛਾ ਗਿਆ। ਸਾਰੇ ਬਦਲ ਦੇਖ ਕੇ ਬਹੁਤ ਖੁਸ਼ ਹੋ ਗਏ। ਠੰਡੀ-ਠੰਡੀ ਹਵਾ ਚੱਲਣ ਲੱਗੀ। ਫਿਰ ਮੀਂਹ ਪੈਣ ਲੱਗਿਆ। ਸਾਰੇ ਮੀਂਹ ਵਿੱਚ ਨਹਾਉਣ ਲੱਗੇ। ਮੈਂ ਵੀ ਮੀਂਹ ਵਿੱਚ ਨਹਾਉਣ ਲੱਗਿਆ। ਨਹਾਉਂਦੇ-ਨਹਾਉਂਦੇ ਮੈਨੂੰ ਠੰਡ ਲੱਗਣ ਲੱਗੀ। ਫਿਰ ਮੈਂ ਘਰ ਆ ਗਿਆ।</p>	<p>ਸਾਡੇ ਘਰ ਇੱਕ ਦਰੱਖਤ ਹੈ। ਉਸ 'ਤੇ ਬੜੇ ਅੰਬ ਲਗਦੇ ਹਨ। ਅਸੀਂ ਸਿੱਠੇ ਅੰਬ ਖਾਂਦੇ ਹਾਂ। ਕੱਚੇ ਅੰਬਾਂ ਦਾ ਅਚਾਰ ਪਾਉਂਦੇ ਹਾਂ।</p>
<p>Letters</p> <p>ਨ ਕ ਰ ਟ ਲ ਹ ਵ ਮ ਚ ਗ</p>	<p>Words</p> <p>ਚਾਲ ਦੁਖੀ ਸੁੱਕਾ ਦੁਸ਼ਾ ਫੌਜ ਕੇਲਾ ਠੋਪੀ ਧੈਰ ਤੀਰ ਦਿਨ</p>

**Table 6: Trends over time**  
 Reading in Std V and Std VIII by school type  
 2012, 2014, 2016 and 2018

Year	% Children in Std V who can read Std II level text			% Children in Std VIII who can read Std II level text		
	Govt	Pvt	Govt & Pvt*	Govt	Pvt	Govt & Pvt*
2012	69.5	73.5	71.2	84.4	90.0	86.3
2014	60.9	73.8	66.6	87.3	84.4	86.2
2016	64.0	73.8	69.1	83.6	90.0	86.3
2018	68.7	74.4	71.6	83.8	87.1	85.1

\* This is the weighted average for children in government and private schools only.



Data is not presented where sample size is insufficient.

## Arithmetic

ASER learning assessments are conducted in the household. Children in the age group 5-16 are assessed. Assessments are conducted in 19 languages across the country. The type of school in which children are enrolled (government or private) is also recorded.

**Table 7: % Children by grade and arithmetic level**  
 All children 2018

Std	Not even 1-9	Recognize numbers		Subtract	Divide	Total
		1-9	10-99			
I	15.0	28.1	47.2	8.1	1.8	100
II	4.9	18.3	48.4	27.0	1.5	100
III	2.4	12.6	35.3	38.8	10.9	100
IV	1.0	5.9	24.3	34.0	34.8	100
V	1.1	3.2	18.4	24.3	53.0	100
VI	0.6	2.6	15.4	23.9	57.6	100
VII	0.2	2.0	19.8	20.7	57.3	100
VIII	0.9	3.3	13.2	20.2	62.4	100

The arithmetic tool is a progressive tool. Each row shows the variation in children's arithmetic levels within a given grade. For example, among children in Std III, 2.4% cannot even recognize numbers 1-9, 12.6% can recognize numbers up to 9 but cannot recognize numbers up to 99 or higher, 35.3% can recognize numbers up to 99 but cannot do subtraction, 38.8% can do subtraction but cannot do division, and 10.9% can do division. For each grade, the total of these exclusive categories is 100%.

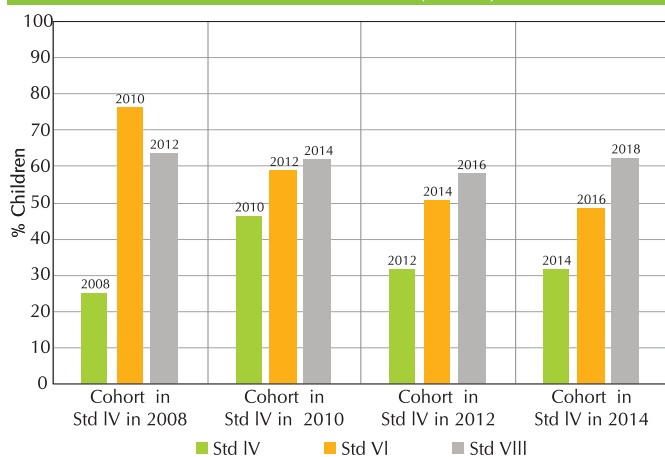
**Table 8: Trends over time**  
 Arithmetic in Std III by school type 2012, 2014, 2016 and 2018

Year	% Children in Std III who can do at least subtraction		
	Govt	Pvt	Govt & Pvt*
2012	40.6	64.8	52.0
2014	32.1	60.6	47.7
2016	36.3	59.4	48.6
2018	40.5	57.1	49.8

\* This is the weighted average for children in government and private schools only.

In most states, children are expected to do 2-digit by 2-digit subtraction with borrowing by Std II. Table 8 shows the proportion of children in Std III who can do subtraction. This figure is a proxy for "grade level" arithmetic for Std III. Data for children enrolled in government schools and private schools is shown separately.

**Chart 4: Trends over time**  
 % Children who can do division  
 Cohorts of children in Std IV in 2008, 2010, 2012 and 2014



This graph shows the progress of four cohorts from Std IV to Std VIII. For example, the first cohort was in Std IV in 2008, in Std VI in 2010, and in Std VIII in 2012. For this cohort, % children who were at division level in Std IV (in 2008) was 25.1% and in Std VI (in 2010) was 76.2%. When the cohort reached Std VIII in 2012, this figure was 63.8%. The progress of each of these cohorts can be understood in the same way.

## Arithmetic Tool (Punjabi)

ਅੰਕ ਪਹਿਚਾਣ 1-9		ਸੰਕਿਲਾ ਪਹਿਚਾਣ 10-99		ਘਟਾਊ		ਭਾਗ
3	7	65	38	41 - 13	64 - 48	7) 928
1	4	92	23	84 - 49	73 - 36	6) 769
8	2	47	72	56 - 37	31 - 13	8) 987
5	9	54	87	45 - 18	53 - 24	4) 519

ਭਰੋ ਨੂੰ ਭਰੋਈ ਵੀ 5 ਅੰਕ ਪਹਿਚਾਣ ਲਈ ਕਰੋ, ਘੱਟ ਤੋਂ ਘੱਟ 4 ਸਹੀ ਉੱਤੇ ਢਾਂਚੀਓ ਹਨ।

**Table 9: Trends over time**  
 Arithmetic in Std V and Std VIII by school type 2012, 2014, 2016 and 2018

Year	% Children in Std V who can do division			% Children in Std VIII who can do division		
	Govt	Pvt	Govt & Pvt*	Govt	Pvt	Govt & Pvt*
2012	48.6	56.5	52.0	59.9	71.3	63.8
2014	37.1	53.9	44.4	56.4	70.7	61.8
2016	42.4	53.5	48.1	48.0	72.0	58.0
2018	50.1	55.7	52.9	58.4	68.6	62.5

\* This is the weighted average for children in government and private schools only.



Data is not presented where sample size is insufficient.

## Basic reading and arithmetic

**Table 10: Basic reading by age group and gender 2018**

Age group	% Children who can read Std II level text		
	Male	Female	All
Age 8-10	47.4	62.5	54.6
Age 11-13	73.8	87.3	80.3
Age 14-16	85.9	92.9	89.4

**Table 11: Basic arithmetic by age group and gender 2018**

Age group	% Children who can do at least subtraction			% Children who can do division		
	Male	Female	All	Male	Female	All
Age 8-10	55.6	65.2	60.2	25.4	33.3	29.2
Age 11-13	77.5	80.6	79.0	53.9	60.0	56.9
Age 14-16	76.9	80.2	78.5	59.0	64.8	61.9

## Beyond basics

These questions were asked only to children in the age group 14-16. For each task, the surveyor showed the visual and read out the question to the child. The exact answer given by the child was recorded. The results are reported only for those children who were able to do at least subtraction correctly.

**Calculating time**

ਜੇਕਰ ਇਹ ਲੜਕੀ ਰਾਤ ਨੂੰ ਇਸ ਸਮੇਂ ਸੌਂਦੀ ਹੈ ਅਤੇ ਸਵੇਰੇ ਇਸ ਸਮੇਂ ਉੱਠਦੀ ਹੈ। ਦੱਸੋ ਕਿ ਉਹ ਕੁੱਲ ਕਿੰਨੇ ਘੰਟੇ ਸੌਂਦੀ ਹੈ?

**Applying unitary method**

ਜੇਕਰ 15 ਲੀਟਰ ਪਾਣੀ ਨੂੰ ਸ਼ੁੱਧ ਕਰਨ ਲਈ ਦਵਾਈ ਦੀਆਂ 3 ਗੋਲੀਆਂ ਪਾਉਣੀਆਂ ਪੈਂਦੀਆਂ ਹਨ, ਤਾਂ ਦੱਸੋ ਕਿ 35 ਲੀਟਰ ਪਾਣੀ ਨੂੰ ਸ਼ੁੱਧ ਕਰਨ ਲਈ ਕਿੰਨੀਆਂ ਗੋਲੀਆਂ ਪਾਉਣੀਆਂ ਪੈਣਗੀਆਂ?

**Financial decision making**

ਬਜ਼ਾਰ ਵਿੱਚ ਕਿਤਾਬਾਂ ਦੀਆਂ 2 ਦੁਕਾਨਾਂ ਹਨ ਜਿੱਥੇ 5 ਕਿਤਾਬਾਂ ਮਿਲਦੀਆਂ ਹਨ। ਜੇਕਰ ਤੁਸੀਂ ਇਹ ਪੰਜ ਕਿਤਾਬਾਂ ਖਰੀਦਣੀਆਂ ਹੋਣ, ਤਾਂ ਤੁਹਾਨੂੰ ਘੱਟ ਤੋਂ ਘੱਟ ਕਿੰਨੇ ਰੁਪਏ ਦੇਣੇ ਪੈਣਗੇ?

ਦੁਕਾਨ 1- ਮੁੱਲ ਸੂਚੀ		ਦੁਕਾਨ 2- ਮੁੱਲ ਸੂਚੀ	
ਕਿਤਾਬ ਦਾ ਨਾਮ	ਮੁੱਲ	ਕਿਤਾਬ ਦਾ ਨਾਮ	ਮੁੱਲ
ਵਿਗਿਆਨ	₹ 50	ਵਿਗਿਆਨ	₹ 50
ਗਣਿਤ	₹ 80	ਗਣਿਤ	₹ 80
ਹਿੰਦੀ	₹ 30	ਹਿੰਦੀ	₹ 30
ਅੰਗਰੇਜ਼ੀ	₹ 70	ਅੰਗਰੇਜ਼ੀ	₹ 70
ਇਤਿਹਾਸ	₹ 40	ਇਤਿਹਾਸ	₹ 40

**Calculating discount**

ਇਹ ਇਸ ਟੀ-ਸ਼ਰਟ ਦਾ ਮੁੱਲ ਹੈ ਅਤੇ ਇਸ ਮੁੱਲ 'ਤੇ 10 ਪ੍ਰਤੀਸ਼ਤ/percent ਦੀ ਛੁੱਟ ਹੈ। ਜੇਕਰ ਤੁਸੀਂ ਇਹ ਟੀ-ਸ਼ਰਟ ਖਰੀਦਣੀ ਹੋਵੋ, ਤਾਂ ਤੁਹਾਨੂੰ ਕਿੰਨੇ ਰੁਪਏ ਦੇਣੇ ਪੈਣਗੇ?

**Table 12: Of all children who can do subtraction but not division, % children who can correctly answer by age and gender 2018**

Age	Calculating time			Applying unitary method			Financial decision making			Calculating discount		
	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All
Age 14	27.1	32.6	29.6	31.9	29.5	30.8	25.6	25.6	25.6	16.4	12.6	14.6
Age 15	20.8	47.9	32.1	55.4	40.3	49.1	37.3	49.4	42.4	25.2	5.3	16.9
Age 16	34.6	26.7	30.6	39.9	29.5	34.6	41.9	33.6	37.7	13.1	15.1	14.1
Age 14-16	27.2	34.7	30.6	41.7	32.4	37.3	33.9	34.6	34.2	18.3	11.5	15.1

**Table 13: Of all children who can do division, % children who can correctly answer by age and gender 2018**

Age	Calculating time			Applying unitary method			Financial decision making			Calculating discount		
	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All
Age 14	52.2	44.9	48.6	55.6	40.1	48.0	46.1	39.1	42.7	31.2	22.3	26.8
Age 15	54.9	46.6	50.3	59.5	46.5	52.3	44.6	39.3	41.7	38.1	18.2	27.2
Age 16	57.2	51.1	54.0	69.5	45.7	57.2	52.2	45.8	48.9	41.5	22.7	31.8
Age 14-16	54.5	47.3	50.8	60.9	44.0	52.1	47.5	41.1	44.2	36.3	21.0	28.4





## School observations

In each sampled village, the largest government school with primary sections is visited on the day of the survey. Information about schools in this report is based on these visits.

**Table 14: Trends over time  
Number of schools visited  
2010, 2014, 2016 and 2018**

	2010	2014	2016	2018
Primary schools (Std I-IV/V)	391	473	523	536
Upper primary schools (Std I-VII/VIII)	58	23	23	18
Total schools visited	449	496	546	554

**Table 15: Trends over time  
Student and teacher attendance on the day of visit  
2010, 2014, 2016 and 2018**

All schools (Std I-IV/V and Std I-VII/VIII)	2010	2014	2016	2018
% Enrolled children present (Average)	82.7	81.4	79.8	83.0
% Teachers present (Average)	88.5	85.5	84.8	85.5

**Table 16: Trends over time  
Multigrade classes  
2010, 2014, 2016 and 2018**

All schools (Std I-IV/V and Std I-VII/VIII)	2010	2014	2016	2018
% Schools where Std II children were observed sitting with one or more other classes	52.5	47.5	55.5	58.4
% Schools where Std IV children were observed sitting with one or more other classes	37.6	42.4	50.4	53.7

## School facilities

**Table 17: Trends over time  
% Schools with selected facilities  
2010, 2014, 2016 and 2018**

% Schools with		2010	2014	2016	2018
Mid-day meal	Kitchen shed for cooking mid-day meal	94.7	94.5	96.9	99.1
	Mid-day meal served in school on day of visit	97.9	92.7	95.2	93.4
Drinking water	No facility for drinking water	8.9	8.3	9.2	7.6
	Facility but no drinking water available	8.0	10.7	8.9	9.6
	Drinking water available	83.1	81.0	81.9	82.7
Total		100	100	100	100
Toilet	No toilet facility	0.9	1.4	0.2	0.0
	Facility but toilet not useable	37.9	19.4	19.7	10.5
	Toilet useable	61.2	79.2	80.1	89.5
	Total	100	100	100	100
Girls' toilet	No separate provision for girls' toilet	7.3	6.5	4.6	3.4
	Separate provision but locked	16.9	5.8	4.2	2.4
	Separate provision, unlocked but not useable	26.5	16.2	15.8	10.3
	Separate provision, unlocked and useable	49.4	71.6	75.4	83.9
	Total	100	100	100	100
Library	No library	4.1	11.3	8.2	11.9
	Library but no books being used by children on day of visit	30.0	49.0	42.5	43.3
	Library books being used by children on day of visit	66.0	39.7	49.4	44.9
	Total	100	100	100	100
Electricity	Electricity connection			98.9	99.6
	Of schools with electricity connection, % schools with electricity available on day of visit			95.0	93.6
Computer	No computer available for children to use	89.3	91.3	91.1	78.5
	Available but not being used by children on day of visit	5.5	6.5	5.7	17.7
	Computer being used by children on day of visit	5.2	2.2	3.2	3.8
	Total	100	100	100	100



Data is not presented where sample size is insufficient.

## Other school indicators

In each sampled village, the largest government school with primary sections is visited on the day of the survey. Information about schools in this report is based on these visits.

**Table 18: Trends over time  
 % Schools with total enrollment of 60 or less  
 2010, 2014, 2016 and 2018**

	2010	2014	2016	2018
All schools (Std I-IV/V and Std I-VII/VIII)	17.2	25.4	32.7	38.2

**Table 19: Physical education and sports in schools 2018**

% Schools with		All schools (Std I-IV/V and Std I-VII/VIII)
Dedicated time for physical education	Physical education period in the timetable	55.6
	No physical education period but dedicated time allotted	25.4
	No physical education period and no dedicated time allotted	19.0
	Total	100
Physical education teacher	Separate physical education teacher	5.6
	Other physical education teacher	61.0
	No physical education teacher	33.4
	Total	100
Playground	Playground inside the school premises	72.1
	Playground outside the school premises	16.1
	No accessible playground	11.8
	Total	100
Availability of any sports equipment		58.4
Supervised physical education activity observed on day of visit		24.8

**Table 20: School Management Committee (SMC) in schools  
 2014, 2016 and 2018**

	2014	2016	2018
% Schools which reported having an SMC	96.9	96.1	99.3
Of all schools that have an SMC, % schools that had the last SMC meeting			
Before July	4.6	3.8	12.9
Between July and September	85.0	79.4	69.2
After September	10.4	16.8	17.9

