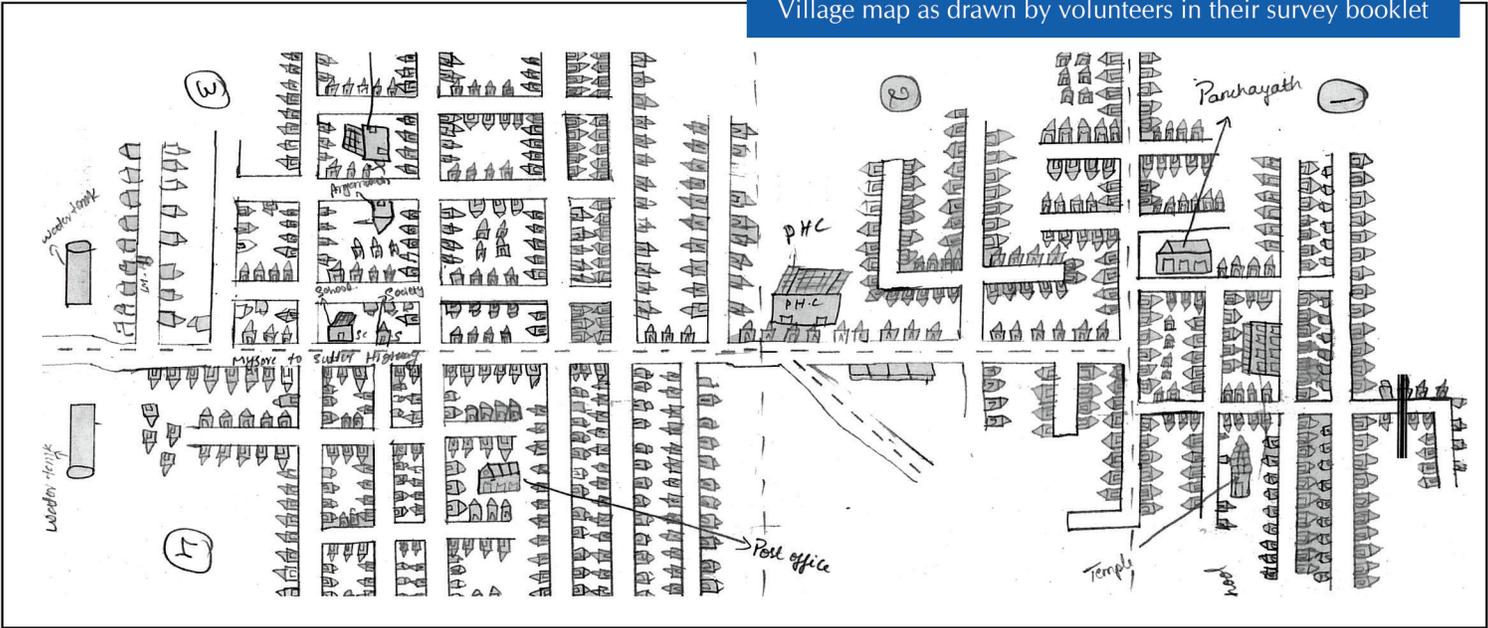


# Karnataka

Village map as drawn by volunteers in their survey booklet



## School enrollment

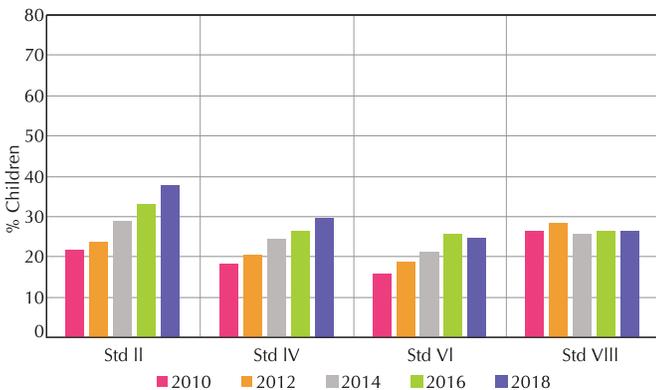
**Table 1: % Children enrolled in different types of schools by age group and gender 2018**

Age group	Govt	Pvt	Other	Not in school	Total
Age 6-14: All	69.9	29.1	0.3	0.7	100
Age 7-16: All	69.7	28.4	0.2	1.7	100
Age 7-10: All	67.7	31.8	0.3	0.2	100
Age 7-10: Boys	63.2	36.5	0.2	0.2	100
Age 7-10: Girls	72.1	27.2	0.5	0.3	100
Age 11-14: All	72.8	25.8	0.2	1.3	100
Age 11-14: Boys	68.2	30.3	0.1	1.4	100
Age 11-14: Girls	77.1	21.5	0.3	1.2	100
Age 15-16: All	66.5	26.0	0.1	7.4	100
Age 15-16: Boys	65.9	27.0	0.1	7.0	100
Age 15-16: Girls	66.9	25.1	0.1	7.8	100

'Other' includes children going to Madarsa or EGS.

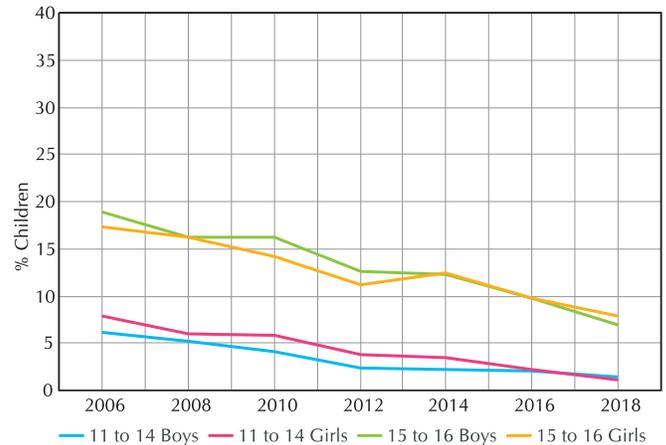
'Not in school' includes children who never enrolled or have dropped out.

**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 37.8% as compared to 26.4% 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 17.4% in 2006, 11.2% in 2012, and 7.8% 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	6.7	57.3	33.0						3.1				100
II		5.7	39.1	50.3					4.9				100
III			5.2	37.2	52.9				4.7				100
IV			0.8	6.4	33.9	53.5			5.4				100
V				6.1		37.2	51.1		5.6				100
VI				1.3		5.4	31.3	56.6			5.5		100
VII					1.8		5.5	33.7	52.4	6.2	0.5		100
VIII						1.2		8.2	40.1	47.4	3.1		100

This table shows the age distribution for each grade. For example, of all children in Std III, 37.2% children are 8 years old but there are also 5.2% who are 7 or younger, 52.9% who are 9, and 4.7% who are 10 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	82.6	1.2	7.2	1.3	0.0	0.0	7.8	100
Age 4	65.7	1.4	29.9	0.8	0.5	0.0	1.8	100
Age 5	44.6	2.2	43.7	5.5	3.4	0.1	0.6	100
Age 6	10.0	0.9	16.2	48.0	24.3	0.3	0.3	100
Age 7	0.8	0.1	2.0	58.8	37.8	0.4	0.2	100
Age 8	0.2	0.0	0.2	65.9	33.1	0.4	0.1	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	40.3	39.9	15.4	2.5	1.9	100
II	17.2	31.7	30.6	13.0	7.6	100
III	9.2	19.8	30.3	21.5	19.2	100
IV	5.1	13.5	23.4	24.8	33.2	100
V	4.5	8.7	16.9	23.8	46.0	100
VI	4.2	6.7	12.8	20.5	55.8	100
VII	2.5	6.3	12.2	18.0	61.2	100
VIII	2.0	4.9	6.9	15.9	70.3	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, 9.2% cannot even read letters, 19.8% can read letters but not words or higher, 30.3% can read words but not Std I level text or higher, 21.5% can read Std I level text but not Std II level text, and 19.2% can read Std II level text. For each grade, the total of these exclusive categories is 100%.

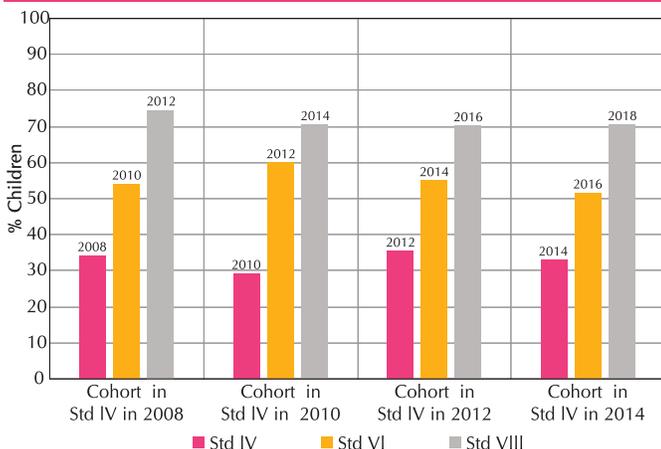
**Table 5: Trends over time**  
 Reading in Std III by school type  
 2012, 2014, 2016 and 2018

Year	% Children in Std III who can read Std II level text		
	Govt	Pvt	Govt & Pvt*
2012	21.2	28.1	22.7
2014	16.4	23.3	18.4
2016	19.0	22.1	19.8
2018	19.4	19.0	19.3

\* 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 34.1% and in Std VI (in 2010) was 54.2%. When the cohort reached Std VIII in 2012, this figure was 74.6%. The progress of each of these cohorts can be understood in the same way.

## Reading Tool (Kannada)

Std II level text

ಒಂದು ಊರಿನಲ್ಲಿ ಒಂದು ಅಣೆ ಇತ್ತು. ಆ ಅಣೆಗೆ ಗುಡ್ಡ, ನಾಯು ಹಾಗೂ ರಮೇಶ ಎಂಬ ಗಣಿಯಿದ್ದರು. ಅಣೆಯನ್ನು ಕಂಡರೆ ಗುಡ್ಡ, ನಾಯು ಹಾಗೂ ರಮೇಶರಿಗೆ ಏಕೆ ಅಷ್ಟೆ ಒಂದು ದಿನ ಕಳ್ಳರು ಆ ಅಣೆಗೆ ಒಂದು ಅಣೆಯನ್ನು ಮರಕ್ಕೆ ಕಟ್ಟಿ ಹಾಕಿ ಅದರ ದಂತವನ್ನು ತೆಗೆಯಲು ಪ್ರಯತ್ನಿಸಿದರು. ಅದೇ ಮದದ ಮೇಲೆ ಅಣೆಯ ಗಣಿಯ ಗುಡ್ಡ ಕುಳಿತು. ಅಣೆಗೆ ಅದ ಪಾಡನ್ನು ನೋಡಿ ಗುಡ್ಡ ಹೂರಿ ನಾಯು ಮತ್ತು ರಮೇಶರಿಗೆ ತಿಳಿಸು. ಆ ಗುಡ್ಡ ಅದರ ಮೇಲೆ ಊರಿನ ಒಡವನ್ನು ಕರೆದುಕೊಂಡು ಓಡಿ ಬಂದ. ಊರ ಜನರು ಕಳ್ಳರನ್ನು ಹಿಡಿದರು. ಅಣೆಯನ್ನು ಕಾಡಿದರು.

Std I level text

ರಂಗದ ಕಟ್ಟಿಗೆ ತಡೆದು ಜೀವನ ಮಾಡುತ್ತಿದ್ದ ಒಂದು ದಿನ ರಂಗದ ಕಟ್ಟಿಗೆ ಏಳಿ ಒಡವದ ಮದ ಕಂಡ. ಅದನ್ನು ಕಡಿಮೆ ಮಾಡುವೆಂದುಕೊಂಡ. ಕೈಯಿಂದ ಕೊಡಲಿ ಹೂರಿ ಕೊಡಲಿ ಇತ್ತು.

Letters

ಜ ವ ಣ  
 ಏ ತ  
 ರ ಣ ಲ  
 ಖ ಕ

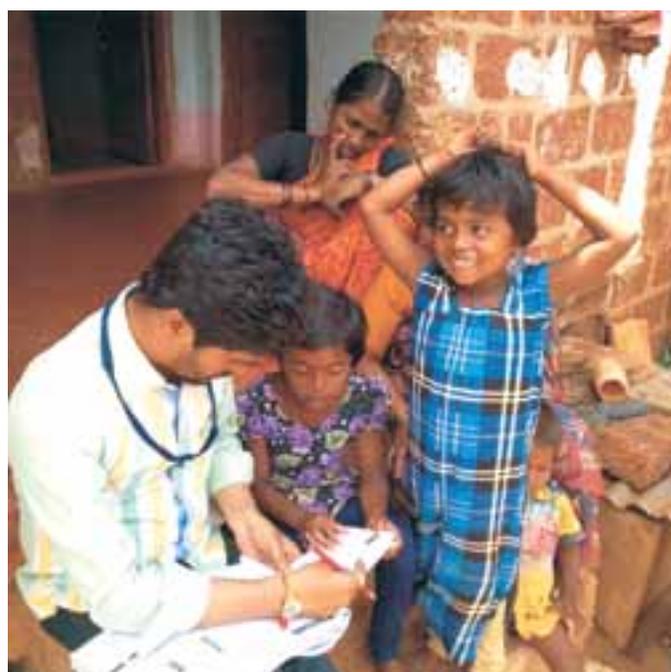
Words

ಏರಿ ಸಡಿ  
 ಹೂರಿ ಮಾವು  
 ಕಳಿ ಕೊಡಲು  
 ಕೊಡು ನೀರು

**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	47.2	54.6	48.5	71.6	82.4	74.6
2014	45.7	53.5	47.3	70.1	72.2	70.6
2016	41.9	42.8	42.1	69.7	71.2	70.1
2018	47.6	41.8	46.1	70.1	71.5	70.5

\* 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	29.7	38.2	30.3	1.5	0.4	100
II	10.9	24.5	54.7	9.3	0.6	100
III	4.9	13.9	54.9	23.3	3.0	100
IV	2.9	7.3	48.2	29.5	12.1	100
V	2.3	5.1	38.0	34.1	20.5	100
VI	2.4	3.3	34.7	30.0	29.6	100
VII	1.1	2.1	36.1	27.2	33.6	100
VIII	1.0	1.3	32.0	26.6	39.0	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, 4.9% cannot even recognize numbers 1-9, 13.9% can recognize numbers up to 9 but cannot recognize numbers up to 99 or higher, 54.9% can recognize numbers up to 99 but cannot do subtraction, 23.3% can do subtraction but cannot do division, and 3% can do division. For each grade, the total of these exclusive categories is 100%.

## Arithmetic Tool (Kannada)

ಅಂಕ ಸಂಪೂರ್ಣತೆ 1 ರಿಂದ 9		ಎರಡು ಅಂಕಗಳ ಸಂಖ್ಯೆ ಸಂಪೂರ್ಣತೆ 10 ರಿಂದ 99		ಕಳೆಯುವುದು		ಭಾಗಾಣಕ
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
29	11					

**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	26.6	46.3	30.8
2014	21.9	38.2	26.4
2016	25.5	38.7	28.9
2018	23.5	32.8	26.4

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

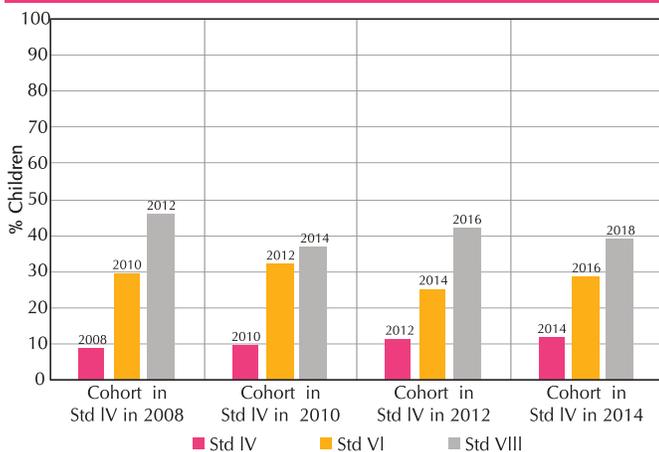
In most states, children are expected to do 2-digit by 2-digit subtraction with borrowing by Std II. Table 8 shows the proportion of children in Std III who can do subtraction. This figure is a proxy for "grade level" arithmetic for Std III. Data for children enrolled in government schools and private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

**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	17.4	31.3	19.9	42.0	56.6	46.1
2014	16.7	33.2	20.2	34.9	43.3	37.0
2016	17.2	28.1	19.7	39.9	49.2	42.2
2018	19.6	23.0	20.5	36.1	47.4	39.0

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

**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 8.5% and in Std VI (in 2010) was 29.6%. When the cohort reached Std VIII in 2012, this figure was 46.1%. The progress of each of these cohorts can be understood in the same way.



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	23.2	31.0	27.2
Age 11-13	50.0	62.1	56.3
Age 14-16	72.5	80.4	76.8

**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	32.3	35.2	33.8	8.4	9.7	9.1
Age 11-13	56.4	61.6	59.1	26.9	32.8	30.0
Age 14-16	67.1	70.0	68.7	40.8	45.0	43.1

## 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**

ಈ ಹುಡುಗಿ ರಾತ್ರಿ ಈ ಸಮಯಕ್ಕೆ ಮಲಗುತ್ತಾಳೆ ಮತ್ತು ಬೆಳಿಗ್ಗೆ ಈ ಸಮಯಕ್ಕೆ ಎದ್ದೇಳುತ್ತಾಳೆ. ಹಾಗಾದರೆ ಈ ಹುಡುಗಿ ಎಷ್ಟು ಗಂಟೆಗಳ ಕಾಲ ಮಲಗುತ್ತಾಳೆ?

**Applying unitary method**

15 ಲೀಟರ್ ನೀರನ್ನು ಶುದ್ಧೀಕರಿಸಲು 3 ಕ್ಲೋರಿನ್ ಮಾತ್ರೆಗಳು ಬೇಕಾದರೆ 35 ಲೀಟರ್ ನೀರನ್ನು ಶುದ್ಧೀಕರಿಸಲು ಎಷ್ಟು ಕ್ಲೋರಿನ್ ಮಾತ್ರೆಗಳು ಬೇಕು?

**Financial decision making**

ಮಾರುಕಟ್ಟೆಯಲ್ಲಿರುವ ಎರಡು ಅಂಗಡಿಗಳಲ್ಲಿ ಈ 5 ಪುಸ್ತಕಗಳು ದೊರೆಯುತ್ತವೆ. ಒಂದು ವೇಳೆ ಈ ಎಲ್ಲಾ 5 ಪುಸ್ತಕಗಳನ್ನು ನೀವು ಖರೀದಿಸುವುದಾದರೆ ಎಷ್ಟು ಕನಿಷ್ಠ ವೆಚ್ಚದ ಹಣವನ್ನು ನೀವು ಖರ್ಚು ಮಾಡಬೇಕಾಗುತ್ತದೆ.

ಅಂಗಡಿ 1 - ದರ ಪಟ್ಟಿ		ಅಂಗಡಿ 2 - ದರ ಪಟ್ಟಿ	
ಪುಸ್ತಕದ ಹೆಸರು	ಬೆಲೆ	ಪುಸ್ತಕದ ಹೆಸರು	ಬೆಲೆ
ವಿಜ್ಞಾನ	₹60	ವಿಜ್ಞಾನ	₹50
ಗಣಿತ	₹80	ಗಣಿತ	₹70
ಹಿಂದಿ	₹30	ಹಿಂದಿ	₹40
ಇಂಗ್ಲೀಷ್	₹70	ಇಂಗ್ಲೀಷ್	₹60
ಇತಿಹಾಸ	₹40	ಇತಿಹಾಸ	₹50

ಒಟ್ಟು ₹ 299

**Calculating discount**

ಇದು ಈ ಟೀ ಶರ್ಟ್‌ನ ಬೆಲೆಯಾಗಿರುತ್ತದೆ ಮತ್ತು ಇದು ಶೇ 10% ರಷ್ಟು ರಿಯಾಯಿತಿಯಲ್ಲಿ ಲಭ್ಯವಿದೆ. ನೀವು ಈ ಟೀ ಶರ್ಟ್ ಖರೀದಿಸುವುದಾದರೆ ಎಷ್ಟು ಹಣವನ್ನು ಖರ್ಚು ಮಾಡಬೇಕಾಗುತ್ತದೆ?

**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	29.7	34.0	31.9	36.7	35.7	36.1	26.2	25.9	26.0	15.3	12.0	13.6
Age 15	36.8	33.9	35.2	35.1	31.5	33.2	31.3	25.8	28.3	22.4	14.2	17.9
Age 16	35.5	37.0	36.3	35.9	26.6	30.7	25.4	27.0	26.3	11.1	13.3	12.3
Age 14-16	33.3	34.9	34.1	36.0	31.8	33.7	27.5	26.2	26.8	16.3	13.0	14.5

**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	45.6	44.5	44.9	53.0	46.2	49.0	36.9	39.9	38.7	27.7	25.7	26.5
Age 15	52.7	44.1	47.7	48.2	44.2	45.9	38.7	41.2	40.2	28.5	24.0	25.9
Age 16	38.0	49.9	44.3	47.6	47.5	47.5	33.0	42.1	37.9	27.3	20.3	23.6
Age 14-16	45.7	45.7	45.7	49.7	45.9	47.5	36.3	40.9	39.0	27.9	23.7	25.5



## 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)	113	121	138	134
Upper primary schools (Std I-VII/VIII)	656	591	670	714
Total schools visited	769	712	808	848

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

	2010	2014	2016	2018
Primary schools (Std I-IV/V)				
% Enrolled children present (Average)	81.7	88.9	89.8	90.0
% Teachers present (Average)	92.9	89.5	91.2	89.6
Upper primary schools (Std I-VII/VIII)				
% Enrolled children present (Average)	70.9	84.6	87.9	83.1
% Teachers present (Average)	88.9	90.9	92.7	89.9

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

	2010	2014	2016	2018
Primary schools (Std I-IV/V)				
% Schools where Std II children were observed sitting with one or more other classes	85.9	86.6	94.1	87.5
% Schools where Std IV children were observed sitting with one or more other classes	71.7	73.1	82.0	76.6
Upper primary schools (Std I-VII/VIII)				
% Schools where Std II children were observed sitting with one or more other classes	73.5	79.1	74.8	82.9
% Schools where Std IV children were observed sitting with one or more other classes	31.2	32.1	36.3	38.3

## 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	92.9	93.0	95.1	93.0
	Mid-day meal served in school on day of visit	96.0	98.9	98.8	97.5
Drinking water	No facility for drinking water	17.3	12.7	15.0	13.4
	Facility but no drinking water available	7.0	6.1	9.7	9.9
	Drinking water available	75.8	81.2	75.3	76.8
	Total	100	100	100	100
Toilet	No toilet facility	5.6	1.6	3.1	3.3
	Facility but toilet not useable	56.0	38.2	33.8	25.9
	Toilet useable	38.4	60.2	63.1	70.8
	Total	100	100	100	100
Girls' toilet	No separate provision for girls' toilet	18.2	6.2	7.7	7.6
	Separate provision but locked	31.1	30.3	21.5	18.8
	Separate provision, unlocked but not useable	18.9	8.4	11.6	7.1
	Separate provision, unlocked and useable	31.8	55.1	59.3	66.4
	Total	100	100	100	100
Library	No library	7.6	8.2	8.4	17.0
	Library but no books being used by children on day of visit	27.6	37.5	41.3	46.8
	Library books being used by children on day of visit	64.8	54.3	50.4	36.1
	Total	100	100	100	100
Electricity	Electricity connection			94.9	95.3
	Of schools with electricity connection, % schools with electricity available on day of visit			80.5	87.5
Computer	No computer available for children to use	70.6	60.5	55.0	58.2
	Available but not being used by children on day of visit	16.0	23.6	30.4	31.9
	Computer being used by children on day of visit	13.4	15.9	14.6	9.9
	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
Primary schools (Std I-IV/V)	84.6	82.5	80.4	83.5
Upper primary schools (Std I-VII/VIII)	6.3	10.0	14.3	15.5

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

% Schools with		Std I-IV/ V	Std I-VII/ VIII	All schools
Dedicated time for physical education	Physical education period in the timetable	66.4	79.9	78.0
	No physical education period but dedicated time allotted	20.7	12.9	14.0
	No physical education period and no dedicated time allotted	12.9	7.2	8.0
	Total	100	100	100
Physical education teacher	Separate physical education teacher	1.6	42.3	36.0
	Other physical education teacher	63.0	44.7	47.5
	No physical education teacher	35.4	13.0	16.4
	Total	100	100	100
Playground	Playground inside the school premises	57.4	84.8	80.7
	Playground outside the school premises	15.6	8.6	9.6
	No accessible playground	27.1	6.7	9.7
	Total	100	100	100
Availability of any sports equipment		51.9	76.4	72.5
Supervised physical education activity observed on day of visit		21.5	35.0	32.9

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

	2014	2016	2018
% Schools which reported having an SMC	92.1	90.5	93.7
Of all schools that have an SMC, % schools that had the last SMC meeting			
Before July	8.8	5.3	4.8
Between July and September	88.3	78.1	88.5
After September	2.9	16.6	6.7

