

## ABOUT ASER 2017 'Beyond Basics'

Since 2005, ASER has highlighted the fact that although almost all children are enrolled in school, many are not acquiring foundational skills like reading and basic arithmetic that can help them progress in school and in life.

In 2017, ASER focuses on an older age group, youth who are 14 to 18 years old and have moved just beyond the elementary school age. The report looks 'beyond basics' and explores a wider set of domains beyond foundational reading and arithmetic.

The survey was conducted with 1,078 youth in 956 households in 60 villages.

### State indicators

- Total population: 91,276,115
- % Rural population: 68.1%
- % Urban population: 31.9%
- Literacy rate: 76.3%

### District indicators

- District population as % of state: 8.9%
- % Rural population: 74.4%
- % Urban population: 25.6%
- Literacy rate: 77.5%

Source: Census 2011



## ACTIVITY

### ENROLLMENT: Youth age 14-18

**Table 1:** Distribution of youth by age and enrollment status (%)

Age	Enrolled in Std XII or below	UG* or other	Not enrolled	Total
14-18 All youth	83.6	5.4	11.0	100
14-18 Male	79.9	5.2	15.0	100
14-18 Female	86.9	5.6	7.5	100
14-16 All youth	94.0	0.0	6.0	100
14-16 Male	92.5	0.0	7.5	100
14-16 Female	95.4	0.0	4.6	100
17-18 All youth	64.1	15.5	20.4	100
17-18 Male	56.9	14.6	28.5	100
17-18 Female	70.7	16.3	13.0	100

\*UG= Undergraduate

**Table 2:** % Youth by enrollment status, years of schooling completed and gender

Enrollment status	Years of schooling completed	All youth	Male	Female
Enrolled in school or college	8 or more years	69.8	68.8	70.7
	Less than 8 years	19.2	16.2	21.8
Not enrolled	8 or more years	5.5	6.6	4.6
	Less than 8 years	5.5	8.3	3.0
Total		100	100	100

### VOCATIONAL TRAINING AND OTHER COURSES: Youth age 14-18

Questions about vocational training and work were asked to all youth, regardless of enrollment status.

**Table 3:** % Youth taking vocational training or other courses, by age

Age	Taking vocational training or other courses	Not taking vocational training or other courses	Total
14-16	9.0	91.0	100
17-18	14.7	85.3	100
All youth	11.0	89.0	100

### WORK INFORMATION: Youth age 14-18

**Table 4:** % Youth who worked for 15 or more days in the last month, excluding household work, by age

Age	Worked for 15 or more days in the last month	Did not work for 15 or more days in the last month	Total
14-16	19.4	80.6	100
17-18	32.7	67.3	100
All youth	24.0	76.0	100

### AWARENESS

**Table 5:** Digital use by youth age 14-18, by gender (% youth)

	Frequency of usage	All youth	Male	Female
Mobile	Last week	65.5	72.5	59.4
	Never	22.3	16.9	27.1
Internet	Last week	17.1	25.8	9.4
	Never	74.4	62.5	84.8
Computer	Last week	21.2	26.0	17.1
	Never	64.6	60.6	68.0

**Table 6:** Financial participation of youth age 14-18, by gender (% youth)

	All youth	Male	Female
Have their own bank account	88.4	81.5	94.5
Have deposited/withdrawn money	69.6	64.2	74.2
Have used an ATM	9.6	11.0	8.4
Have used internet banking	3.2	4.4	2.2

### BASIC ASER READING, ARITHMETIC AND ENGLISH: Youth age 14-18

**Table 7:** Youth at different learning levels, by gender. % Youth who can at least do the following tasks:

Basic ASER level	All youth	Male	Female
Read a Std II level text	71.7	69.5	73.6
Do a division problem	30.9	33.4	28.8
Read English sentences	50.9	53.8	48.4

#### ASER TOOL

Std II level text	Division	English sentences
<p>তখন আষাঢ় মাস ছিল। আকাশ ছেয়ে গেল কালো মেঘে। ফুরফুরে ঠান্ডা হাওয়া বইছিল। রাজু ভেবেছিল, আজ সে দোলনায় দুলবে। রাজু বড়দাদাকে বলল দোলনা বানিয়ে দিতে। তখন বড়দাদা একটা মোটা দড়ি নিয়ে এল। সবাই মিলে দড়িটা গাছে বেঁধে দোলনা বানালো। রাজু খুব মজা পেয়ে দোলনায় দুলতে লাগল। আরও অনেক ছোট বাচ্চারা দোলনা দেখে দৌড়ে এল। সেদিন সবাই মিলে খেলতে খেলতে রাত হয়ে গিয়েছিল।</p>	<p>৪) ৫৯২ ) ৭) ৮৭২ ) ৬) ৭৫৯ ) ৮) ৯৮৬ )</p>	<p><b>What is the <u>time</u>?</b></p> <p><b>This is a <u>large</u> house.</b></p> <p><b>I <u>like</u> to read.</b></p> <p><b>She has <u>many</u> books.</b></p>

### DAILY TASKS: Youth age 14-18

**Table 8:** % Youth who can do daily tasks, by gender

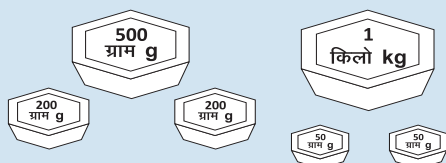
Task	All youth	Male	Female
Counting money	74.3	81.6	67.9
Adding weights	58.1	65.3	51.8
Telling time (hour)	87.7	89.4	86.1
Telling time (hour and minutes)	64.7	70.2	59.8

#### COUNTING MONEY



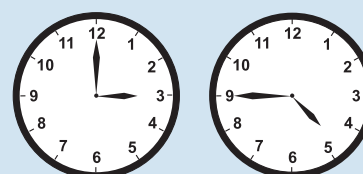
What is the total amount of money shown in this picture?

#### ADDING WEIGHTS



What is the total weight shown in this picture? Add and give the answer in kilograms.

#### TELLING TIME



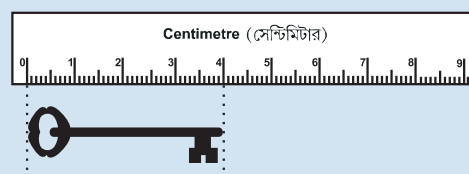
What is the time shown on these clocks?

### COMMON CALCULATIONS: Youth age 14-18

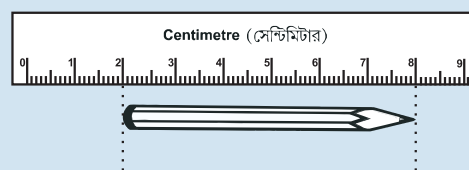
**Table 9:** % Youth who can do common calculations, by gender

Task	All youth	Male	Female
Measuring length (easy)	85.4	85.8	85.1
Measuring length (hard)	35.6	45.7	26.7
Applying unitary method	50.9	57.4	45.2
Calculating time	35.7	39.5	32.4

### MEASURING LENGTH

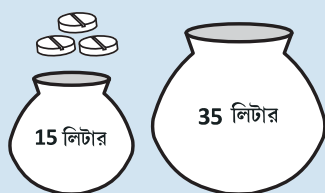


What is the length of the key? (easy)



What is the length of the pencil? (hard)

### APPLYING UNITARY METHOD



If 3 chlorine tablets are needed to purify 15 litres of water, how many chlorine tablets are needed to purify 35 litres of water?

### CALCULATING TIME



How many hours did this girl sleep?

### READING AND UNDERSTANDING WRITTEN INSTRUCTIONS: Youth age 14-18

**Table 10:** % Youth who can read and understand written instructions, by gender

	All youth	Male	Female
Can read and understand at least 3 out of 4 instructions	55.9	57.0	55.0
Cannot read and understand even 3 out of 4 instructions	44.1	43.0	45.0
Total	100	100	100

After reading, youth were asked the following 4 questions:

- How many packets of O.R.S. should be added to 2 litres of water?
- Within how many hours should the prepared solution of O.R.S. be consumed?
- How many litres of O.R.S. can be given to a 21-year old within a span of 24 hours?
- Based on the information given, can this packet of O.R.S. be consumed in December 2018?

All youth were asked to read the instructions given on the O.R.S. packet shown below:

**ও.আর.এস.**  
(জীবন রক্ষক ষোল)

ও.আর.এস. এর ষোল তৈরির পদ্ধতি

পরিষ্কার পান্নে, 1 লিটার জল ফুটিয়ে ঠাণ্ডা করতে হবে।

ঠাণ্ডা জলে পুরো এক প্যাকেট ও.আর.এস. ফেলে দিতে হবে।

এটাকে ভালো করে মিলিয়ে নিতে হবে।

এই ষোল বাচ্চাকে খাওয়ানো হবে।

ও.আর.এস. এর ষোলের মাত্রা অসুস্থতার উপর নির্ভর করে ঠিক করতে হবে।  
 বাচ্চা : 1-2 লিটার ষোল 24 ঘণ্টার মধ্যে খাওয়ানো হবে।  
 যুব : 2-4 লিটার ষোল 24 ঘণ্টার মধ্যে খাওয়ানো হবে।  
 এইভাবে সুস্থ হওয়া পর্যন্ত খাওয়ানো থাকতে হবে।

**সতর্কতা :**

- বানানো ষোল 24 ঘণ্টা পর্যন্তই ব্যবহার করুন।
- বেঁচে যাওয়া ষোল ফেলে দিন।

এই প্যাকেটটি শুকনো এবং ঠাণ্ডা জায়গায় রাখুন।  
 মূল্য : 19 টাকা  
 তৈরীর তারিখ : মার্চ 2015  
 মেয়াদ শেষের তারিখ : মার্চ 2018

### FINANCIAL CALCULATIONS: Youth age 14-18

These tasks were administered only to youth who were at subtraction or division level on the ASER arithmetic assessment.

**Table 11:** % Youth who can do financial calculations, by gender

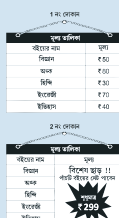
Task	All youth	Male	Female
Managing a budget	59.9	64.9	55.2
Taking a purchase decision	59.7	61.0	58.4
Applying a discount	40.9	49.8	32.3
Calculating repayment	13.5	16.1	11.1

#### MANAGING A BUDGET



You need to buy 3 different items for Rs 50. Which items can you buy?

#### TAKING A PURCHASE DECISION



From which shop will you buy all 5 books and for how much?

#### APPLYING A DISCOUNT



The price of this T-shirt is shown here. It is available at a discount of 10%. How much money would you need to buy this T-shirt?

#### CALCULATING REPAYMENT

ব্যাংকের নাম	সুদের হার
লক্ষী ব্যাংক	11% প্রতি বছর
দেবা ব্যাংক	12% প্রতি বছর
রাশি ব্যাংক	13% প্রতি বছর

বোনের পরিমাণ = 20,000 টাকা

Which bank to take a loan from? How much to repay at the end of one year for a loan of Rs. 20,000?

### MAP AND GENERAL KNOWLEDGE: Youth age 14-18

**Table 12:** % Youth who can do map and general knowledge tasks, by gender

Task	All youth	Male	Female
Recognizing the map of India	80.4	85.1	76.2
Naming India's capital	52.0	57.8	46.9
Naming their own state	67.0	70.4	64.1
Identifying their own state on a map	26.5	32.9	20.9

A map of India was shown to all youth and they were asked the following questions:

- "This is a map of which country?"
- "What is the name of the capital of the country?"
- "Which state do you live in?"
- "Can you point to your state on the map?"

