

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 1,124 youth in 962 households in 60 villages.

State indicators

- Total population: 60,439,692
- % Rural population: 57.4%
- % Urban population: 42.6%
- Literacy rate: 78%

District indicators

- District population as % of state: 3.4%
- % Rural population: 74.7%
- % Urban population: 25.3%
- Literacy rate: 83.6%

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	72.8	6.9	20.3	100
14-18 Male	74.8	7.4	17.9	100
14-18 Female	71.1	6.5	22.4	100
14-16 All youth	88.8	1.0	10.3	100
14-16 Male	90.5	2.2	7.4	100
14-16 Female	87.3	0.0	12.7	100
17-18 All youth	46.7	16.5	36.7	100
17-18 Male	49.8	15.6	34.6	100
17-18 Female	44.0	17.4	38.7	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	68.2	70.1	66.5
	Less than 8 years	11.6	12.0	11.3
Not enrolled	8 or more years	17.6	16.2	18.7
	Less than 8 years	2.7	1.6	3.6
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	2.4	97.6	100
17-18	4.2	95.8	100
All youth	3.1	96.9	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	53.1	46.9	100
17-18	56.8	43.2	100
All youth	54.5	45.5	100

AWARENESS

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

	Frequency of usage	All youth	Male	Female
Mobile	Last week	55.8	66.5	46.7
	Never	38.1	26.8	47.8
Internet	Last week	35.3	50.0	22.8
	Never	59.2	42.4	73.5
Computer	Last week	39.0	43.4	35.3
	Never	50.5	44.8	55.4

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

	All youth	Male	Female
Have their own bank account	94.4	93.7	95.0
Have deposited/withdrawn money	69.2	74.1	65.0
Have used an ATM	13.1	19.1	8.0
Have used internet banking	7.4	10.3	4.9

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	91.5	91.0	91.9
Do a division problem	45.8	48.5	43.6
Read English sentences	64.3	62.0	66.2

ASER TOOL

Std II level text	Division	English sentences
અમારા ઘરમાં દાદી સહુથી વહેલા ઉઠે છે. દાદાજી પણ ફટાફટ ઊઠે. બન્ને રોજ સવારે ચાલીને મંદિરે જાય. દાદા અને દાદી મંદિરમાં જઈને રોજ પૂજા કરે છે. દાદી ફૂલ ચૂંટીને તેની માળા બનાવે છે. દાદા અને દાદી ભગવાનની ભક્તિ કરે છે. હું પણ ઘણી વખત બન્નેની સાથે ચાલતો મંદિરે જાઉં છું. મંદિર જઈને દાદાની સાથે એક શ્લોક બોલું છું.	$\begin{array}{r} 8 \cancel{) 45} \\ \underline{40} \\ 50 \\ \underline{40} \\ 10 \\ \underline{10} \\ 0 \end{array}$	<p>What is the <u>time</u>?</p> <p>This is a <u>large house</u>.</p> <p>I <u>like to read</u>.</p> <p>She has <u>many books</u>.</p>

DAILY TASKS: Youth age 14-18

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

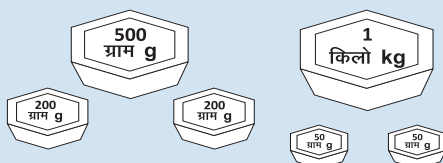
Task	All youth	Male	Female
Counting money	76.1	82.3	70.8
Adding weights	63.8	72.8	56.1
Telling time (hour)	89.3	90.7	88.1
Telling time (hour and minutes)	66.8	71.8	62.5

COUNTING MONEY



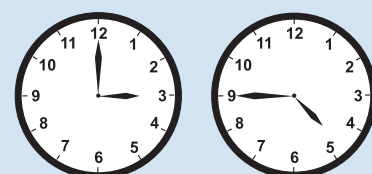
What is the total amount of money shown in this picture?

ADDING WEIGHTS



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

TELLING TIME



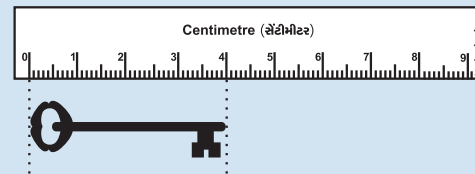
What is the time shown on these clocks?

COMMON CALCULATIONS: Youth age 14-18

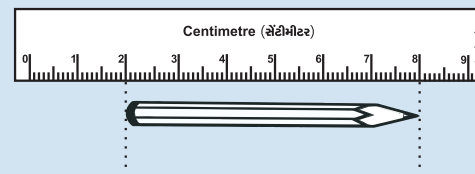
Table 9: % Youth who can do common calculations, by gender

Task	All youth	Male	Female
Measuring length (easy)	76.6	81.8	72.2
Measuring length (hard)	47.9	54.6	42.3
Applying unitary method	54.9	62.9	48.2
Calculating time	46.1	47.8	44.7

MEASURING LENGTH

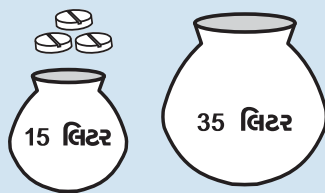


What is the length of the key? (easy)



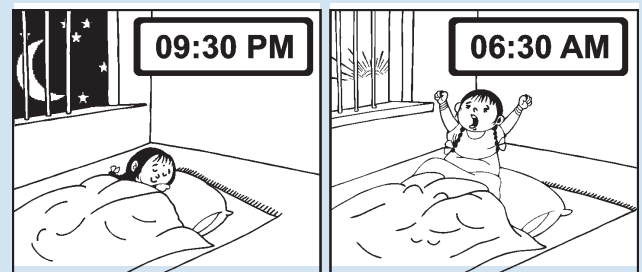
What is the length of the pencil? (hard)

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	62.4	66.3	59.1
Cannot read and understand even 3 out of 4 instructions	37.6	33.7	40.9
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:

ઓ. આર. એસ

(ચેલ્વિક રીહાઈડ્રેશન દ્રાવણ)


ઓ. આર. એસ. મિશ્રણ તૈયાર કરવાની પદ્ધતિ



સ્વચ્છ વાસણમાં
1 લિટર પાણી
ઉકાળો અને તેને
ઠંડું કરી લો



ઠંડા પાણીમાં
ઓ. આર. એસ.
લું આપું
1 પેકેટ નાખો



તેને સારી રીતે
મિશ્રીત કરો



આ દ્રાવણ
બાળકોને
પિવડાવો

ઓ. આર. એસ. ના દ્રાવણની માત્રા જુલાબની ગંભીરતા જોઈને આપો.

બાળકો : 24 કલાકમાં 1 થી 2 લીટર દ્રાવણ પીવડાવો.
યુવા : 24 કલાકમાં 2 થી 4 લીટર દ્રાવણ પીવડાવો.
આ સારવાર જ્યાં સુધી જુલાબમાં સહત ન થાય ત્યાં સુધી ચાલુ રાખો.

સાવધાન:

- બનાવેલ મિશ્રણને ટાંકીને રાખો અને 24 કલાકની અંદરજ તેનો ઉપયોગ કરો.
- વધેલુ દ્રાવણ ફેંકી દો.

આ પેકેટને સુકી જગ્યામાં રાખો.
કિંમત : 19 રૂપિયા
Mfg. તારીખ : માર્ચ 2015
Exp. તારીખ : માર્ચ 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

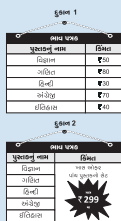
Task	All youth	Male	Female
Managing a budget	65.6	72.6	59.5
Taking a purchase decision	76.4	80.1	73.3
Applying a discount	42.0	53.0	32.6
Calculating repayment	29.1	30.4	28.1

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

બેંક નું નામ (Bank Name)	લોન પર વ્યાજનો દર (Loan Interest Rate)
લક્ષ્મી બેંક (Lakshmi Bank)	11% પ્રતિવર્ષ (11% per annum)
લેન્ડા બેંક (Lenda Bank)	12% પ્રતિવર્ષ (12% per annum)
વાણિ બેંક (Vani Bank)	13% પ્રતિવર્ષ (13% per annum)

લોનની રકમ = 20,000 રૂપિયા (Loan amount = 20,000 Rupees)

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	86.4	88.0	85.1
Naming India's capital	70.0	74.9	65.9
Naming their own state	82.0	84.4	79.9
Identifying their own state on a map	64.1	69.6	59.4

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?"

