





## SUBJECT: MATHS

## LANGUAGE: ENGLISH

## THIRD ETHIOPIA SCHOOL SURVEY WAVE: 1

This test booklet contains Mathematics items administered to students in Grades 7 and 8, at Wave 1 of Young Lives' school survey in Ethiopia. This survey took place in 2016-17.

Items were selected following extensive piloting. For more details on item sources and the test development process, see Rossiter et al., (2017). Young Lives School Survey, 2016–17: Ethiopia Country Report.

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1	2488 ÷ 8 =
	<b>A.</b> 11
	<b>B.</b> 311
	<b>C.</b> 2480
	<b>D.</b> 2496
2	A number added to 35 gives 56.
	$+\frac{35}{56}$
	What is the number?
	<b>A.</b> 12
	<b>B.</b> 20
	<b>C.</b> 21
	<b>D.</b> 91
3	7341 is completely divisible by?
	<b>A.</b> 3
	<b>B.</b> 5
	<b>C.</b> 7
	<b>D.</b> 9
4	3 ones + 7 tens =
	<b>A.</b> 73
	<b>B.</b> 40
	<b>C.</b> 37
	<b>D.</b> 10
5	-4 - (-5) =
	A1
	<b>B.</b> 1
	<b>C.</b> -9
	<b>D.</b> 9
6	Which of these is the cube root of 729?
	<b>A.</b> 9
	<b>B.</b> 13
	<b>C.</b> 19
	<b>D.</b> 27



12	What fraction of the shape below is shaded?									
	A. 1       Image: 1 minimum of the second sec									
13	What is the place value of 5 in 54620?									
	A. ten thousands									
	B. hundreds									
	C. tens									
	D. ones									
14	4.465 – 1.286 =									
	<b>A.</b> 5.751									
	<b>B.</b> 3.189									
	<b>C.</b> 3.179									
	<b>D.</b> 3.279									
15	Calculate the perimeter of the following rectangle:									
	<b>A</b> 18 cm									
	B 72 cm 6 cm									
	<b>C.</b> 36 cm									
	<b>D.</b> 24 cm									
16	If X = 6 and Y = 9 and Z = 12 then X + Y – Z =									
	<b>A.</b> 0									
	<b>B.</b> 3									
	<b>C.</b> 6									
	<b>D.</b> 15									
17	Which number is the smallest?									
	<b>A.</b> 3,124,300									
	<b>B.</b> 3,214,243									
	<b>C.</b> 3,124,030									
	<b>D.</b> 3,102,430									





![](_page_6_Figure_0.jpeg)

29	Look at the picture to the right. What is $-$ ?	18+7 = 4 $27+13 = 3$
	<ul> <li>A. 6</li> <li>B. 15</li> <li>C. 20</li> <li>D. 40</li> </ul>	
30	<ul> <li>For any numbers x and y such that x = 70 +</li> <li>A. x = y</li> <li>B. x &lt; y</li> <li>C. x &gt; y</li> <li>D. None of the above can be said as the of</li> </ul>	y, what can be said about x and y? exact values of x or y are NOT known.
31	Which fraction is the simplified form of $\frac{8}{20}$	- ?
	<b>A.</b> $\frac{1}{20}$	
	<b>B.</b> $\frac{4}{5}$	
	<b>C.</b> $\frac{2}{5}$	
	D. $\frac{4}{8}$	
32	Mimmi counted the number of flowers in h and answer the following question.	ner garden. She made the following chart. Study the chart
	How many more	
	sunflowers were	₹
	the garden?	
	₹ A. 1 P 2	
	<b>C.</b> 3	
	<b>U.</b> 5	Rose Lily Lotus Sunflower

![](_page_8_Figure_0.jpeg)

37	A s	heet of paper is	0.012	2 cm	thicl	k. Of	the	follo	wing	, whi	ch w	ould	be the height of a stack of 400
	she	ets of this paper	?										
	Α.	0.048 cm											
	В.	0.48 cm											
	C.	4.8 cm											
	D.	48 cm											
38	Obs	serve the number	r patt	ern i	n the	e nun	nber	triar	ngle k	pelow	/.		
			•						0				
							1	←					– Row 1
						2	3	4	←				– Row 2
					5	6	7	8	9	←			– Row 3
				10	11	12	13	14	15	16	←		– Row 4
			17	18	19	20	21	22	23	24	25	←	- Row 5
	If it	is extended what	at will	be t	he la	ist ni	ımbe	er (or	n the	right	) in t	he 9 <sup>th</sup>	'row?
	•	25						. (0.			,,		<u></u> .
	А. D	25											
	ь. С	50											
	С. П	81											
	D.	01											
20	-72												
39	/~ =	-											
	Α.	7											
	В.	14											
	C.	49											
	D.	72											
40	Wh	at is the area of t	he <u>so</u>	luare	sho	wn b	elow	ı?					
								Ŧ					
	A.	64 cm <sup>2</sup>						 8 cn	n				
	B.	$32 \text{ cm}^2$											
	C.	16 cm <sup>2</sup>											
	D.	8 cm <sup>2</sup>						Ŧ					