GRADE 7 MATHEMATICS

No.	Marking Scheme and Tips	M
1.	50 000 000 – (15 000 000 + 10 500 000 + 8 500 000)	M1
	$= \frac{16\,000\,000}{2}$	M1
	= Ksh 8 000 000	A1
		03
2.	Let the number be a so that we have 86a72.	
	For a number divisible by 11, the difference between the sum of the alternate digits is 0, 11, or a multiple of 11. For the difference to be 0, the sums must be equal.	
	Sum of numbers in odd places: 8 + a + 2 = 10 + a Sum of numbers in even places:	M1
	6+7=13	
	So, 8 + a + 2 = 13 10 + a = 13 To make the difference 0, substituting ‘a’ with 3.	M1
	10+3=13	
	Hence a = 3	A1
		03
3.	2 | 280 | 336 | 420 2 | 140 | 168 | 210 7 | 70 | 84 | 105 5 | 12 | 15	M1
	GCD=2×2×7	M1
	= 28 cm	A1
		03
4. (a)	7 532	B1
(b)	500	B1
(c)	The last two digits form a number divisible by 4. Hence, 7 532 is divisible by 4.	B1
		03