FØCUS A365

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| Form 1 | Term 1 | 121 A - Mathematics | 26-Okt-17 | End Term |

ADM: ………… NAME: …………………………………………………...…. CLASS……………….

1. Express the number in words (2mks)
   3,468,729,165
2. Write in symbols (2mks)
   Five hundred and ninety million, seven hundred thousand five hundred
3. Draw a chart to show the number in question 2 above (2mks)
4. Round off the following numbers to the nearest numbers indicted in the bracket (2mks)
   a. 37468592(10000)
   b. 348506279438 (1000000000)
5. Work out (12 mks)
   a. $536810 + 8725 + 473602$
   b. $293658 - 87254$
   c. 3729×36
   d. $76183 \div 36$
   e. $970 - (435 + 324) + 6(480 - 350)$
   f. $\dfrac{240+144}{48}$
6. Five companies employed $2340, 3455, 675, 960, and$ 1350 workers. The first two companies laid off 1 worker for every 5 while the other three recruited 2 new workers for every 3.
   a. What was the total number of the workers at the beginning (2mks)
   b. How many people (4mks)
      i. Lost job
      ii. Got jobs
   c. What was the total number of the workers finally (2mks)
7. List numbers that are odd but not prime numbers between 11 and 26 (3mks)
8. Express the composite number as products of the prime factors (4mks)
   a. 1386
   b. 3405
9. Write the value of (6mks)
   a. $2^2 \times 3^2 \times 5^2$
   b. $2^2 \times 3^3 \times 7$
10. Three bell ring at intervals of 40min, 45 min and 60 min. If they ring simultaneously at 6.30 am at what time will the next ring together (3 mks)
11. Find the GCD of   240,360,300 700 (2mks)
12. Find the L.C.M of the sets of number 14,35,30,49 (2mks)
13. The G.C.D of the two numbers is 12 and their L.C.M is 240.If one of the numbers is 60, Find   the other number (2mks)

14. Show how the following addition and subtraction are done using number line (5mks)

    a. $(-5) + (-3) =$

    b. $(+3) + (-4) =$

    c. $(-6) - (-3) =$

    d. $(+7) - (-4) =$

    e. $(+6) - (+3) =$

15. Evaluate (3mks)

    a. -33×-3

    b. $-7 \times -3 \times 10$

    c. $-10 \times 2 \times 10$

16. Fill in the box (2mks)

    a. $5 \times \underline{\hspace{2cm}} = -20$

    b. $\underline{\hspace{2cm}} \times -24 = -48$