## S.1 MATH HOLIDAY EXERCISE TWO.

| 1. | Find LCM and GCF of the following numbers: (a) 5, 45,30  | (b) 30, 56, 72              | (4 marks) |
|----|--|-----------------------------|-----------|
| 2. | Three mugs can hold 560, 450 and 400 milliliters of we capacity of the smallest cup that can be used to fill each measures.                      |                             | (4 marks) |
| 3. | Three bells toll at interviews of 18, 24, 32 seconds, if the length of time will elapse before they toll together?                               |                             | (4 marks) |
| 4. | Find the LCM and GCD of the following numbers leaving $2^5 \times 3^2 \times 5$ , $2^3 \times 7 \times 5^4$ and $2 \times 3^3 \times 5 \times 7$ | ng the answer in power form | (4 marks) |
| 5. | Express the following numbers as products of their pr  | rime factors                | (6 marks) |

|    | (a) 240                               | (b) 1024                  | (a) 90                                   |           |
|----|---------------------------------------|---------------------------|--|-----------|
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|    | п                                     |                           |  | (0 1)     |
| 6. | Evaluate:<br>(a) (-5) + (-7) + (13)   |                           | (b) (-20) – (-15) – (-8)                 | (8 marks) |
|    |                                       |                           |  |           |
|    |                                       |                           |  |           |
|    |                                       |                           |  |           |
|    | (b) $(-3)^2 \times (-2)^2$            |                           | (d) -15 ÷5×-4                            |           |
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| 7. | Work out:                             | 4) 0 (4)                  | ((5, 0, -0, 1), 0, 10), 11, 5            | (8 marks) |
|    | (a) $-3 \times 23 + (-5) \times (-3)$ | $-1) - 8 \times (-4)$ (b) | $\{(5-8\times^{-}3+4)\times 2-10\}+14+5$ |           |
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