

**DAV PUBLIC SCHOOL, MTPS**

**Holiday Home work for Summer Vacation 2019-2020**

**Sub-Mathematics**

**Class-VI**

**M.M=40**

**Assignment-I**

1. Write the Roman numerals of 34.  $1 \times 6 = 6$
2. Convert into Hindu Arabic numerals of XXVI.
3. Is 1237654 divisible by 5? Why?
4. Smallest prime number is \_\_\_\_\_.
5. Write first 10 prime numbers.
6. Write the HCF of two consecutive natural number.  
 $2 \times 5 = 10$
7. Find HCF by continued division method 208,494,949.
8. Test the divisibility of the number 562135 by 11.
9. List all the multiples of 15 between 50 to 100
10. Check the following numbers are co-prime or not.  
(a) 17, 18                      (b) 22, 24                      (c) 37, 38
11. Write greatest 5 digit number using three different digits.  
 $3 \times 4 = 12$
12. Rearrange and multiply:  
(a)  $125 \times 566 \times 8$       (b)  $20 \times 7352 \times 5$       (c)  $625 \times 25 \times 20 \times 4$
13. Subtract and check your answer by corresponding addition :  
(a)  $56213 - 32196$       (b)  $52139 - 21223$       (c)  $97537 - 12349$
14. Find LCM by common division method.  
(a) 20, 25, 30                      (b) 12, 20, 24                      (c) 40, 60, 80
15. Test the following for the divisibility by 3 and 9  
(a) 623491                      (b) 99999                      (c) 145404  
 $4 \times 3 = 12$
16.  $52 - [12 + (3 \times 10 \div 2)]$
17. Find the greatest number which divides 295 and 475 leaving remainder 5 in each case.
18. Three bells toll at intervals of 9, 12 and 15 minutes respectively. If they toll at 5 p.m. when they toll together next ?

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**Assignment-II**

1. How many millions makes 2 crores? **1X6=6**
2. Convert into Hindu Arabic numerals of XXII.
3. (a)  $5268-0 = \underline{\hspace{2cm}}$ , (b)  $87 + 861 = \underline{\hspace{1cm}} + 87$
4. Smallest composite number is     .
5. Write first 10 composite numbers.
6. Write the HCF of two consecutive even number.
  
7. Find L.C.M by common division method, 200, 400, 600. **2x5=10**
8. Test the divisibility of the number 562135 by 5.
9. Find H.C.F of two co prime number.
10. Check the following numbers are twin prime or not.  
(a) 17, 19                      (b) 22, 24                      (c) 37, 39
11. Write greatest 4 digit number using four different digits  
**3X4 = 12**
  
12. Rearrange and multiply:  
(a)  $250 \times 566 \times 4$       (b)  $20 \times 7352 \times 5$       (c)  $625 \times 25 \times 20 \times 4$
13. Subtract and check your answer by corresponding addition :  
(a)  $96213 - 62196$       (b)  $62139 - 51223$       (c)  $67537 - 32349$
14. Find HCF by continued division method.  
(a) 20, 25, 30              (b) 12, 20, 24              (c) 40, 60, 80
15. Test the following for the divisibility by 11  
(a) 623491                  (b) 99999                  (c) 145404  
**4X3=12**
  
16.  $62 - [12 + (4 \times 10 \div 5)]$
17. Find the greatest number which divides 235 and 415 leaving remainder 5 in each case.
18. Three bells toll at intervals of 8, 12 and 16 minutes respectively. If they toll at 5 p.m. when they toll together next?

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**Class-VI**

**M.M=40**

**Assignment -III**

1. How many crores makes 100 million? 1X6=6
2. Convert into Hindu Arabic numerals of XLVII.
3. (a)  $3268-0 = \underline{\hspace{2cm}}$  , (b)  $47 + 89 = \underline{\hspace{1cm}} + 47$
4. 1 is composite or prime ?
5. Write first 10 composite numbers.
6. Write the HCF of two consecutive Odd number.
  
7. Find L.C.M by common division method, 48, 60,70. 2x5=10
8. Test the divisibility of the number 562136 by 6.
9. Find L.C.M of two co prime number.
10. Check the following numbers are twin prime or not.  
(a)21,23                      (b) 31,33                      (c)101,103
11. Write greatest 6 digit number using three different digits  
3X4 =12
  
12. Rearrange and multiply:  
(a)  $125 \times 566 \times 8$       (b)  $10 \times 7352 \times 10$       (c)  $125 \times 25 \times 15 \times 8$
13. Subtract and check your answer by corresponding addition :  
(a)  $76213 - 62196$       (b)  $42139 - 21223$       (c)  $87537 - 11349$
14. Find HCF by continued division method.  
(a) 30,36                      (b) 20,24                      (c)60,90
15. Test the following for the divisibility by 3 and 9  
(a)623491                      (b)99999                      (c)145404  
4X3=12
  
16. Simplify  $27 - [5 + \{28 - (29 - 7)\}]$
17. Simplify  $45 - [38 - \{60 \div 3 - (6 - 9 \div 3) \div 3\}]$
18. Simplify  $-25 + 14 \div (5 - 3)$