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BELIEVE YOURSELF

Worksheet No. : 4

1. Every even number greater than 4 can be expressed as a sum of two odd Prime numbers. Which of the following is an example of this statement?

(A) 8=1+7   (B) 8=3+5   (C) 4=1+3   (D) 4=2+2

2. What is the least value that should be given to so that the number 653*47 is divisible by 11?

(A) 9   (B) 6   (C) 2   (D) 1

3. The L.C.M. of 64 and 48 is 192. What is the H.C.F. of these numbers?

(A) 16   (B) 24   (C) 8   (D) 12

4. What is the prime factorisation of 143?

(A) 2x11x13   (B) 11x13   (C) 2x3x7   (D) 1x2x3x7

5. The L.C.M of two numbers is 3718. Which of the following numbers CANNOT possibly be the H.C.F. of these numbers?

(A) 13   (B) 26   (C) 104   (D) 143

6. The answers of four students A, B, C, and D for prime factorization of 24 are given. Whose answer is wrong?

(A) 2x2x2x3   (B) 8x3   (C) 3x2x2x2   (D) 2x3x2x2

7. Find a number which is a multiple of all the numbers from 1 to 10?

(A) 5040   (B) 1260   (C) 720   (D) 1440

8. The table given lists the number of factors for some numbers.

Number	Number of factor
21	4
23	2
25	3
27	4
29	2

What is the number of prime numbers between 20 and 30 from the given table?

(A) 0   (B) 2   (C) 3   (D) 4

9. Observe the following sums.

1	= 1 x 1 = 1
1 + 3	= 2 x 2 = 4
1 + 3 + 5	= 3 x 3 = 9
1 + 3 + 5 + 7	= 4 x 4 = 16
1 + 3 + 5 + 7 + 9	= 5 x 5 = 25

What is the result of the sum 1+3+5+7+9+...+ 15?

(A) 121   (B) 81   (C) 100   (D) 64

10. How many factors does 48 have?

(A) 2   (B) 4   (C) 8   (D) 10

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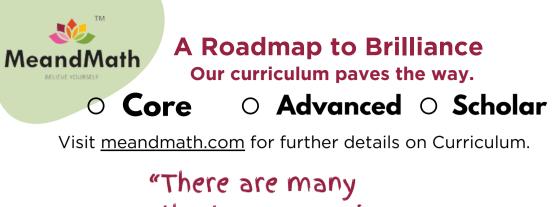✅ Level Up Weekly: Ace Assessments with Confidence and Ease

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