

1. What is the greatest number which divides 134 and 167 leaving 2 as the remainder in each case?

- (A) 34 (B) 37 (C) 39 (D) 33

2. What is the L.C.M. of 12, 15, 20 and 27?

- (A) 270 (B) 360 (C) 480 (D) 540

3. If a and b are co-primes, then what is their L.C.M.?

- (A) 1 (B) (C) ab (D) $a + b$

4. Three bells toll together at intervals of 9, 12 and 15 minutes. If they start tolling together, after what time will they toll next?

- (A) 1 hour (B) 2 hours
(C) 4 hours (D) 3 hours

5. The lowest common multiple of 8, 16 and p is 48. What is the possible value of p ?

- (A) 64 (B) 24 (C) 2 (D) 32

6. 67, 61, p , q , r , s , 41 is an arrangement of prime numbers in decreasing order. Among the following, which is the number 53?

- (A) p (B) r (C) q (D) s

7. The sum of all the prime factors of m is 9. Find the number m .

- (A) 15 (B) 28 (C) 20 (D) 63



8. Which of the following is divisible by 2,3,4,5,6 and 8?
(A) 40 (B) 250 (C) 60 (D) 240
9. What is the L.C.M. of X and Y if X is the first odd prime number and Y is the only even prime number?
(A) 6 (B) 2 (C) 8 (D) 12
10. Given that $(p+3)$ is the highest common factor of 81 and 108, find the value of p.
(A) 6 (B) 9 (C) 12 (D) 24





TM

MeandMath

BELIEVE YOURSELF

BOOST YOUR MATH PERFORMANCE WITH MeandMath



Our Premium Batches are 1:1, 1:2, 1:3 and 1:6 & another batch is 1: many batches.



Clear Doubts, Master Concepts, Excel with Confidence.



Learn on Your Schedule with Our Class Recordings.



Stay Ahead, Stay Sharp: Conquer Daily Homework Hassle-Free



Level Up Weekly: Ace Assessments with Confidence and Ease

Join Our Live Classes

**Preparing for the
Math Olympiad?**

Book Now



Register to MnM Olympiad

**Want to test your
International Math
Rank?**

Register Here



Visit meandmath.com to learn more about us.



TM

MeandMath

BELIEVE YOURSELF

A Roadmap to Brilliance

Our curriculum paves the way.

○ **Core** ○ **Advanced** ○ **Scholar**

Visit meandmath.com for further details on Curriculum.

“There are many paths to success in Math. We help all students discover theirs.”

Are you stuck, not sure how to solve math problem?

Want to Super Charge your Math skills with our World Class practice content!

Join our Homework Help Group!

[Join Now](#)



Subscribe today to get a resource to unlock the World of Wisdom!

[Subscribe Here](#)



Visit meandmath.com to learn more about us.