

# CAT 2023 Answer Key Slot 3- QA

## Few Memory-Based Questions With CAT Answer Key And Solutions In QA

The answers provided here are based on the questions shared by candidates who appeared for CAT 2023 slot 3 on November 26. Explore the memory-based questions for CAT slot 2 (section-wise) along with answers to estimate your CAT score.

**Q1.** Find the sum of the two smallest natural numbers with the number of factors as 15. (Answer 468)

**Q2.** In a rectangular polygon, each interior angle is 120 more than each exterior angle. Find the number of diagonals of the polygon. (Answer 54)

**Q3.** A rectangle with the largest possible area is inscribed in a semi-circle. Find the ration of the larger side to the smaller side. (Answer 2:1)

**Q4.** A and B can complete a task in 20 days. If A works at 60% capacity, B must work at 150% capacity to complete the task. Determine how many days it will take to complete the work alone. (Answer 36)

**Q5.** The coco-to-sugar ratio in mixture A is 3:2, while the coffee-to-sugar ration in mixture B is 7:3. These two were combined in a 2:3 ration to form mixture C. C and milk are now mixed in equal parts. Determine the sugar content of the mixture (Answer 17%)

**Q6.** Infinite solutions for the linear equations.

$$a + 5 = b^2 - 15 = 2b$$
$$b = (-3, 5), a = (-11, 5)$$

**Q7.** The population was 100,000 in 2021, it is reduced by x% in 2022. It will rise by y% in 2023. The population in 2023 is larger than in 2021, and the difference between x and y is ten. In 2021, the minimum population was? (Answer 73000)

**Q8.** For equation  $x + y = 4(a + 5) + (b^2 - 15)y =$  (Answer 33)