

Mental Ability

Self Evaluation Test-03 (LCM & GCF)

- Two brothers Kanishk and Harsh were trying to find the HCF of 50 distinct numbers. If they were finding HCF of two no. at a time, how many times this operation should be repeated to find the HCF of 50 numbers?
(a) 25 (b) 49
(c) 50 (d) None
- In international seminar of Geography, Mr Shyam and Mr. Ravi greet each other and Mr Shyam said to Mr Ravi "I found out that your teaching experience is twice that of mine". Mr Ravi replied in affirmative. But Mr Shyam continued, "last time when both of us come here for the same meet, I remember that your teaching experience was thrice of mine. Mr Ravi replied "that was 2 year ago Sir. How many years has Mr Ravi been working?
(a) 8 years (b) 12 years
(c) 16 years (d) 15 years
- Find the least no. of four digit which when divided by 7, 9, 11 it leaves remainder 5 in each case
(a) 1394 (b) 1386
(c) 1395 (d) 1391
- Find the greatest volume of measuring can which can be used to fill tanks of capacities 360 litres, 440 litres and 520 litres in least attempts. Total no. of attempts will be
(a) 33,40 (b) 40,33
(c) 20,33 (d) 20,66
- Find the least digit of 4 number which when divided by 3, 6, 7 leaves remainder 2, 4, 5 respectively in each case
(a) 1264 (b) 1132
(c) 1008 (d) 1006
- If LCM of two number is 120 and GCF is 10. If one of them is 40 then other no. will be ?
(a) 30 (b) 460
(c) 20 (d) None
- LCM of $\frac{3}{4}, \frac{17}{12}, \frac{8}{6}$ is
(a) 255 (b) 255.5
(c) 510 (d) 204
- The HCF of 0.3, 0.15, 0.015, 0.0003 is
(a) 0.003
(b) .015
(c) 0.0001
(d) 0.00003
- If the LCM of two numbers is 40 times their HCF. The sum of the LCM and HCF is 1476. If one of the number is 288. Find the other numbers
(a) 180 (b) 220
(c) 240 (d) None
- Four bells toll at intervals of 12, 15 and 18 minutes respectively. If they toll together at 9.15. Then when will they toll together there after first time?
(a) 11 AM (b) 1.15 PM
(c) 12.15 PM (d) 10.15 AM
- If the LCM of three no. 96, 72 and P is 576. If the HCF is 24. Then which one of the following can be value of P ?
(a) 144 (b) 4148
(c) 160 (d) None
- If HCF of two no x and y be 36 and HCF of two other numbers p and q are 48. What will be HCF of p, q, x, y.
(a) 12 (b) 15
(c) 18 (d) 16
- If the HCF of two natural number is 120 and their product is 14000. Then how many set of possible values of two no are possible
(a) 8 (b) 12
(c) 1 (d) 0
- Find least three digit no which when divided by 7 and 9 leaves remainder 5 in each case
(a) 131 (b) 310
(c) 315 (d) 135
- A room of dimension 20m and 30m. How many minimum no. of tiles in square shape are required to cover the floor
(a) 30 (b) 60
(c) 10 (d) none
- The biggest no. by which when 1135, 900 and 618 are divided. Then the same remainder left
(a) 37 (b) 57
(c) 67 (d) 47
- LCM of $\frac{2\pi}{5}, \frac{4\pi}{15}$ and $\frac{3\pi}{10}$ is
(a) 12π (b) $\frac{3\pi}{5}$
(c) $\frac{12\pi}{5}$ (d) None
- LCM of $\frac{2\sqrt{2}}{5}, \frac{\sqrt{64}}{15}, \frac{\sqrt{128}}{25}$ is
(a) $\frac{8\sqrt{2}}{5}$ (b) $\frac{8\sqrt{2}}{25}$
(c) $\frac{4\sqrt{2}}{25}$ (d) None
- If 3 musical instrument produces sounds after intervals of 8, 12, 15 seconds respectively. Then the quickest time in which they produce sounds together again is
(a) 60 sec (b) 180 sec
(c) 120 sec (d) None