1. gcd (24, 54)

Ans) $54 = 24 \times 2 + 6$

$24 = 6 \times 4 + 0$

$\therefore \gcd(24, 54) = 6$

2. gcd (18, 42)

Ans) $42 = 18 \times 2 + 6$

$18 = 6 \times 3 + 0$

$\therefore \gcd(18, 42) = 6$

3. gcd (244, 354)

Ans) $354 = 244 \times 1 + 110$

$244 = 110 \times 2 + 24$

$110 = 24 \times 4 + 14$

$24 = 14 \times 1 + 10$

$14 = 10 \times 1 + 4$

$10 = 4 \times 2 + 2$

$4 = 2 \times 2 + 0$

$\therefore \gcd(244, 854) = 2$

4. gcd (128, 423)

Ans) $423 = 128 \times 3 + 39$

$128 = 39 \times 3 + 11$

$39 = 11 \times 3 + 6$

$11 = 6 \times 1 + 5$

$6 = 5 \times 1 + 1$

$5 = 1 \times 5 + 0$

$\therefore \gcd(128, 423) = 1$

5. gcd (2415, 3289)

Ans) $3289 = 2415 \times 1 + 874$

$2415 = 874 \times 2 + 667$

$874 = 667 \times 1 + 117$

$667 = 117 \times 5 + 82$

$117 = 82 \times 1 + 35$

$82 = 35 \times 2 + 12$

$35 = 12 \times 2 + 11$

$12 = 11 \times 1 + 1$

$11 = 1 \times 11 + 0$

$\therefore \gcd(2415, 3289) = 1$

6. gcd (4278, 8602)

Ans) $8602 = 4278 \times 2 + 46$

$4278 = 46 \times 93 + 0$

$\therefore \gcd(4278, 8602) = 46$

7. gcd (406, 555)

Ans) $555 = 406 \times 1 + 49$

$406 = 49 \times 8 + 14$

$49 = 14 \times 3 + 7$

$14 = 7 \times 2 + 0$

$\therefore \gcd(406, 555) = 7$

8. gcd (23, 0)

Ans) $23 = 0 \times 1 + 23$

$0 = 23 \times 0 + 0$

$\therefore \gcd(23, 0) = 23$

9. gcd (4200, 3780, 3528)

Ans) gcd (4200, 3780) →

$4200 = 3780 \times 1 + 420$

$3780 = 420 \times 9 + 0$

$\therefore \gcd(4200, 3780) = 420$

gcd (420, 3528) →

$3528 = 420 \times 8 + 168$

$420 = 168 \times 2 + 84$

$168 = 84 \times 2 + 0$

$\therefore \gcd(4200, 3780, 3528) = 84$