

Pre-2 Worksheet (2 pages)

Find the GCF of each group of values or expressions.

1. $46y^2, 28xy$

2. $20m^2n^2, 30n^3$

3. $48x^2y^2, 36y^3x$

4. $152y^3x^2, 190x^4y^3$

5. $102yx^2, 374x^3y$

6. $24m^3n, 36m^2n, 48n^2m$

7. $42yx^2, 9y^2x^2, 39x^3y$

8. $144, 200b^2, 96ab$

9. $196x^2y, 154y^2x, 35x^2y^2$

10. $105x^2y^3z^5, 168x^4y^2z, 119xyz^7$

Find the LCM of each group of values or expressions.

11. $4xy^2, 2x^2y^3$

12. $-9a^3b, 12a^2bc$

13. $5xy, 15x^2z, 10y^2$

14. $16m, -12m^2n, 8n^2$

15. $38x^2, 18x$

16. $36m^2n^2, 30n^2, 36n^4$

17. $32x^2, 24yx^2, 16yx^2$

18. $27, 90, 84$

Find the GCF and LCM of each group of values or expressions.

19. $x, x(x - 2)$

20. $y^2, (y + 3)$

21. $x - 1, x + 4$

22. $(z + 8), (z + 2)$

23. $x(x - 1), x^2, (x - 1)^2$

24. $(y - 2)(y + 2), (y + 2)^2$

25. $(x + 1)(x - 1), (x + 1)(x + 1)$

26. $(x + y)(x^2 - xy + y^2),$

$(x - y)(x + y),$

$x^2 - xy + y^2$