

**Examples:**

- 1)  $4a^2 \times 2a = 8a^3$
- 2)  $5b^2 \times 3b^3 = 15b^5$
- 3)  $x^3 \times 2x^2 = 2x^5$
- 4)  $2m^2 \times 3n \times 4m \times n^3 = 24m^3n^4$
- 5)  $3bc \times 6bc^2 = 18b^2c^3$

**Simplify:**

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|--------------------------------|--|
| 1. $4b^3 \times 3b = 12b^4$    | 13. $9b^3 \times b = 9b^4$                           |
| 2. $5c \times 4c^2 = 20c^3$    | 14. $a^2 \times 3b \times 2a \times b^2 = 6a^3b^3$   |
| 3. $2a^3 \times 7a = 14a^4$    | 15. $4m^3 \times m \times 3n^2 \times 2n = 24m^4n^3$ |
| 4. $3c \times 2c^2 = 6c^3$     | 16. $e^3 \times 7e \times 2f^2 = 14e^4f^2$           |
| 5. $9m^2 \times 3m^2 = 27m^4$  | 17. $9ac^2 \times 2ac = 18a^2c^3$                    |
| 6. $8x^3 \times 2x^2 = 16x^5$  | 18. $3ab^2 \times 3ab = 9a^2b^3$                     |
| 7. $7y \times 3y^4 = 21y^5$    | 19. $7m^2n \times 2mn^2 = 14m^3n^3$                  |
| 8. $t^4 \times 5t^2 = 5t^6$    | 20. $4bc^2 \times 4b^3c = 16b^4c^3$                  |
| 9. $4f^3 \times 2f^4 = 8f^7$   | 21. $2s \times 4t \times s^2 = 8s^3t$                |
| 10. $w^4 \times 4w^3 = 4w^7$   | 22. $d \times 2e \times 7d^2 = 14d^3e$               |
| 11. $5a^2 \times 2a^3 = 10a^5$ | 23. $x^2 \times 2y \times x \times 7y^4 = 14x^3y^5$  |
| 12. $8p^4 \times p^3 = 8p^7$   | 24. $3m \times n^2 \times 4m^4 = 12m^5n^2$           |