

Expanding Three Brackets

1. $(x + 1)(x + 2)(x + 3)$

2. $(x + 1)(x + 2)(x + 4)$

3. $(x + 1)(x + 2)(x + 5)$

4. $(x + 1)(x + 2)(x + 6)$

5. $(x + 6)(x + 1)(x + 2)$

6. $(x + 6)(x + 1)(x - 2)$

7. $(x + 6)(x + 1)(x - 3)$

8. $(x + 6)(x + 3)(x - 3)$

9. $(x + 6)(x - 3)(x - 3)$

10. $(x + 6)(x - 4)(x - 4)$

11. $(x + 4)(x - 4)(x - 4)$

12. $(x + 4)(x - 4)^2$

13. $(x + 4)^3$

14. $(x - 4)^3$

15. $(3x - 4)^3$

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1. $(x + 1)(x + 2)(x + 3)$

2. $(x + 1)(x + 2)(x + 4)$

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4. $(x + 1)(x + 2)(x + 6)$

5. $(x + 6)(x + 1)(x + 2)$

6. $(x + 6)(x + 1)(x - 2)$

7. $(x + 6)(x + 1)(x - 3)$

8. $(x + 6)(x + 3)(x - 3)$

9. $(x + 6)(x - 3)(x - 3)$

10. $(x + 6)(x - 4)(x - 4)$

11. $(x + 4)(x - 4)(x - 4)$

12. $(x + 4)(x - 4)^2$

13. $(x + 4)^3$

14. $(x - 4)^3$

15. $(3x - 4)^3$

Expanding Three Brackets - ANSWERS

1. $x^3 + 6x^2 + 11x + 6$

2. $x^3 + 7x^2 + 14x + 8$

3. $x^3 + 8x^2 + 17x + 10$

4. $x^3 + 9x^2 + 20x + 12$

5. $x^3 + 9x^2 + 20x + 12$

6. $x^3 + 5x^2 - 8x - 12$

7. $x^3 + 4x^2 - 15x - 18$

8. $x^3 + 6x^2 - 9x - 54$

9. $x^3 - 27x + 54$

10. $x^3 - 2x^2 - 32x + 96$

11. $x^3 - 4x^2 - 16x + 64$

12. $x^3 - 4x^2 - 16x + 64$

13. $x^3 + 12x^2 + 48x + 64$

14. $x^3 - 12x^2 + 48x - 64$

15. $27x^3 - 108x + 144x - 64$

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2. $x^3 + 7x^2 + 14x + 8$

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6. $x^3 + 5x^2 - 8x - 12$

7. $x^3 + 4x^2 - 15x - 18$

8. $x^3 + 6x^2 - 9x - 54$

9. $x^3 - 27x + 54$

10. $x^3 - 2x^2 - 32x + 96$

11. $x^3 - 4x^2 - 16x + 64$

12. $x^3 - 4x^2 - 16x + 64$

13. $x^3 + 12x^2 + 48x + 64$

14. $x^3 - 12x^2 + 48x - 64$

15. $27x^3 - 108x + 144x - 64$