

Build Tasks



1. Factorise
 $6x^2 + 17x + 12.$

2. Factorise $8x^2 + 2x - 3.$

3. Factorise
 $12x^2 - 7x - 10.$

4. Factorise
 $15x^2 + 14x - 8.$

5. Factorise
 $10x^2 - 13x + 3.$

6. Factorise
 $9x^2 - 21x + 10.$

7. Factorise $4x^2 + 4x - 15.$

8. Factorise
 $14x^2 - 9x - 5.$

9. Factorise
 $12x^2 + 11x - 5.$

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10. Factorise
 $2x^2 + 14x + 20$ fully.

11. Factorise
 $3x^2 - 27x + 60$ fully.

12. Factorise
 $4x^2 - 20x - 24$ fully.

13. Factorise
 $-6x^2 - 7x + 3$.

14. Factorise
 $-8x^2 + 10x + 3$.

15. Factorise
 $-12x^2 + x + 6$.

16. Factorise
 $6a^2 + 13a - 5$.

17. Factorise
 $15p^2 - 11p - 14$.

18. Factorise
 $8m^2 - 22m + 15$.

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19. Fill in:

$$12x^2 - 7x - 10 = (3x + \square)(4x + \square).$$

20. Fill in:

$$10x^2 - 13x + 3 = (5x + \square)(2x + \square).$$

21. Fill in: $8x^2 + 2x - 3 = (4x + \square)(2x + \square).$

22. A student says

$$6x^2 + 17x + 12 = (6x + 3)(x + 4).$$

Is the student correct?

23. A student says

$$4x^2 + 4x - 15 = (2x + 5)(2x - 3).$$

Is the student correct?

24. Factorise

$$18x^2 - 9x - 20.$$

25. Factorise

$$16x^2 - 24x + 9.$$

26. Factorise

$$18x^2 - 33x + 15 \text{ fully.}$$

27. Factorise

$$20x^2 - 13x - 21.$$