

Proficient

1. Factorise $3x + 12$.

2. Factorise $4a + 20$.

3. Factorise $5y + 25$.

4. Factorise $6m + 18$.

5. Factorise $8p + 12$.

6. Factorise $9b + 27$.

7. Factorise $10c - 20$.

8. Factorise $12d + 18$.

9. Factorise $14x + 21$.

10. Factorise $15y - 30$.

11. Factorise $18m + 24$.

12. Factorise $20n + 35$.

13. Fill in the blank: $6a + 18 = 6(\underline{4})$. Fill in the blank: $12x - 8 = 4(\underline{5})$. Is $8y + 24 = 8(y + 3)$ correct?

16. Is $10m + 15 = 5(2m + 3)$ correct?

17. Which has the greater common factor: $12p + 18$ or $12p + 20$?

18. Explain in one short sentence what stays inside the bracket when you factorise.