

Expanding and Factorising *fluency*

Expand

1 $4(x + 3)$

2 $6(y - 2)$

3 $3(2a + 5)$

4 $5(4 - m)$

5 $2(3p - 7)$

6 $8(t + 0.5)$

Factorise

7 $5x + 15$

8 $8y - 12$

9 $6a + 9$

10 $14 - 7m$

11 $10p + 25$

12 $18t - 24$

Expand and simplify

13 $2(x + 4) + 3x$

14 $5(y - 1) - 2y$

15 $3(a + 2) + 4(a + 1)$

16 $6(m + 2) - 2(m + 3)$

17 $4(2p - 1) - (p - 5)$

18 $3(t - 4) + 2(6 - t)$

Factorise fully

19 $8x^2 + 12x$

20 $6y^2 - 9y$

21 $10a + 15ac$

22 $12m^2 - 4m$

23 $14p^2 + 21pq$

24 $9t^3 - 6t^2$

Do what each question asks

25 Expand $3x(2x - 5)$

26 Factorise $12y - 18$

27 Expand $-4(a - 3)$

28 Factorise $x^2 + 7x$

29 Expand $2m(m + 3n)$

30 Factorise fully $15p^2 - 10p$