

Expand double brackets Solutions

Green Section

1. $m^2 + 4m + 4$
2. $x^2 + 13x + 40$
3. $a^2 - 4a - 32$
4. $s^2 - 8s - 7$
5. $n^2 - 11n + 30$
6. $v^2 + 14v + 45$
7. $c^2 - 3c - 88$
8. $z^2 - 18z + 81$
9. $t^2 - 13t + 42$
10. $44 - 15f + f^2$ OR $f^2 - 15f + 44$
11. $9 - 10r + r^2$ OR $r^2 - 10r + 9$
12. $-x^2 + 4x + 32$

Yellow Section

1. $4d^2 + 16d + 15$
2. $15x^2 + 52x + 45$
3. $6p^2 + 10p - 16$
4. $6m^2 + 20m - 16$
5. $28a^2 + 51a - 27$
6. $12r^2 - 40r + 25$
7. $8t^2 - 14t + 3$
8. $33 - 38x - 8x^2$
9. $20w^2 - 3w - 2$
10. $81 - 25a^2$
11. $1 - 2j - 8j^2$
12. $25 - 4y^2$

Red Section

1. $x^2 + 12x + 36$
2. $m^2 + 16m + 64$
3. $k^2 - 14k + 49$
4. $4c^2 - 12c + 9$
5. $9 + 30d + 25d^2$
6. $81 - 36p + 4p^2$
7. $2x^2 + 15x + 23$
8. $2y^2 - 6y + 16$
9. $2b + 2$
10. $3z^2 + 15z + 13$
11. $2h^2 + 12h + 20$
12. $3v^2 + 10v + 3$

Apply

1. a) $2m^2 + 14m + 24$
 b) $4a^2 + 22a + 24$

13. $(2d + 7)^2 = (2d + 7)(2d + 7) = 4d^2 + 28d + 49$