

Expanding Single Brackets
Maths with Melissa

Expand each of the following expressions by removing the brackets and simplifying them where possible.
Show all your working.

1. Expand: $3(x + 4)$

2. Expand: $5(y - 2)$

3. Expand: $-2(a + 6)$

4. Expand: $4(2x - 3)$

5. Expand: $-7(m - 5)$

6. Expand: $6(3 + z)$

7. Expand: $-5(k + 8)$

8. Expand: $2(4y - 9)$

9. Expand: $-3(2x - 7)$

10. Expand: $8(p + 5)$

Answer Key

1. $3(x + 4) = 3x + 12$
2. $5(y - 2) = 5y - 10$
3. $-2(a + 6) = -2a - 12$
4. $4(2x - 3) = 8x - 12$
5. $-7(m - 5) = -7m + 35$
6. $6(3 + z) = 18 + 6z$
7. $-5(k + 8) = -5k - 40$
8. $2(4y - 9) = 8y - 18$
9. $-3(2x - 7) = -6x + 21$
10. $8(p + 5) = 8p + 40$