

Expanding Single Brackets Worksheet

1. Expand the following expression: $4(x + 3)$
2. Expand and simplify: $2(a - 5)$
3. Expand the expression and then evaluate it for $y = 2$: $5(y + 4)$
4. Expand: $-3(m - 7)$
5. Expand and simplify: $6(2x - 1)$
6. If $p = 3$, expand and find the value of $7(p + 2)$
7. Expand the following: $-2(z + 8)$
8. Expand and simplify: $9(q - 4)$
9. Expand and simplify: $-5(w - 6)$
10. Expand and simplify: $3(2x + 5)$

Maths with Melissa

Answer Key

1. $4(x + 3) = 4x + 12$

2. $2(a - 5) = 2a - 10$

3. $5(y + 4) = 5y + 20$; For $y = 2$: $5 \times 2 + 20 = 10 + 20 = 30$

4. $-3(m - 7) = -3m + 21$

5. $6(2x - 1) = 12x - 6$

6. $7(p + 2) = 7p + 14$; For $p = 3$: $7 \times 3 + 14 = 21 + 14 = 35$

7. $-2(z + 8) = -2z - 16$

8. $9(q - 4) = 9q - 36$

9. $-5(w - 6) = -5w + 30$

10. $3(2x + 5) = 6x + 15$