

**Applications**

|    |                                                 |
|----|-------------------------------------------------|
| 1  | $(p + q) + 3 = p + (q + 3)$                     |
| 2  | $4(a + b) = 4a + 4b$                            |
| 3  | $2 + 5 = 5 + 2$                                 |
| 4  | $(3 \times 2) \times a = 3 \times (2 \times a)$ |
| 5  | $4(b + c) = 4b + 4c$                            |
| 6  | $(2a + 8a)/4a = 2a/4a + 8a/4a$                  |
| 7  | $(x + 5) + 4 = x + (5 + 4)$                     |
| 8  | $p \times q = q \times p$                       |
| 9  | $5(8 - 6) = 5 \times 8 - 5 \times 6$            |
| 10 | $(6 + z) + 1 = 6 + (z + 1)$                     |