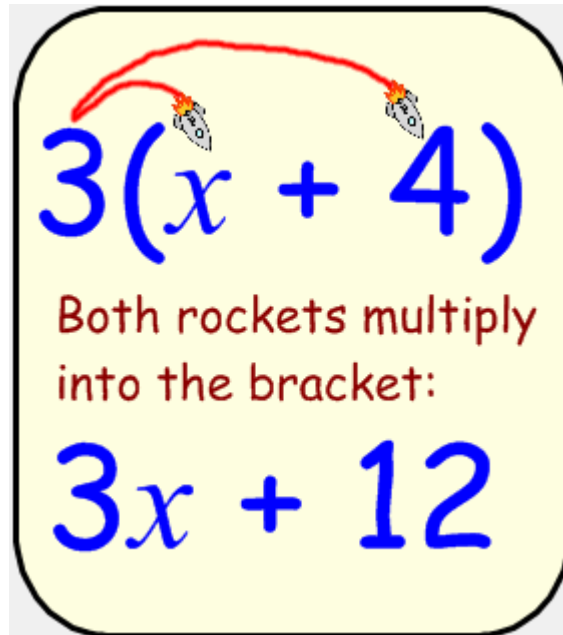# Expanding and Factorising

Expanding

Expanding means getting rid of the bracket. We do this by multiplying the term outside by both terms inside the bracket.

$$3(x + 4)$$

Both rockets multiply into the bracket:

$$3x + 12$$

Factorising

Factorising is the opposite of expanding, it means putting something into brackets. We look for the highest common factor of the terms and bring it outside the bracket. You can check your answer by expanding the bracket.

Factorise:

$$3x + 12$$

3 goes into both terms so we take it out:

$$3(x + 4)$$