

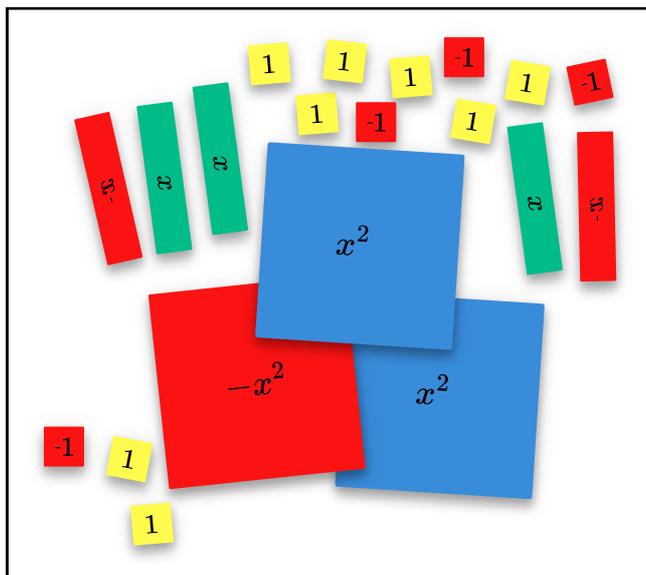


THIRD SPACE
LEARNING

Algebra Tiles Templates

Maths manipulatives for
the secondary classroom

Guide To Algebra Tiles



Summary

- ✓ Algebra tiles are used to represent algebraic processes, such as expanding brackets, factorising quadratics or solving an equation.
- ✓ They can be used to develop a deeper understanding of the concepts of algebra.
- ✓ Algebra tiles can represent negatives by either using separate tiles, or by using double-sided tiles with a red back.
- ✓ A standard set of tiles contains:
 - Small square tiles to represent ones
 - Rectangular tiles to represent x
 - Large square tiles to x^2

In this downloadable set of algebra tiles,

Small yellow square tiles represent $+1$ 

Small red square tiles represent -1 

Rectangular green tiles represent $+x$ 

Rectangular red tiles represent $-x$ 

Large blue square tiles represent $+x^2$ 

Large red square tiles represent $-x^2$ 

Positive and negative versions of the same tile cancel each other out to give 0.

Templates

$$x^2$$

$$-x^2$$

$$x^2$$

$$-x^2$$

$$x^2$$

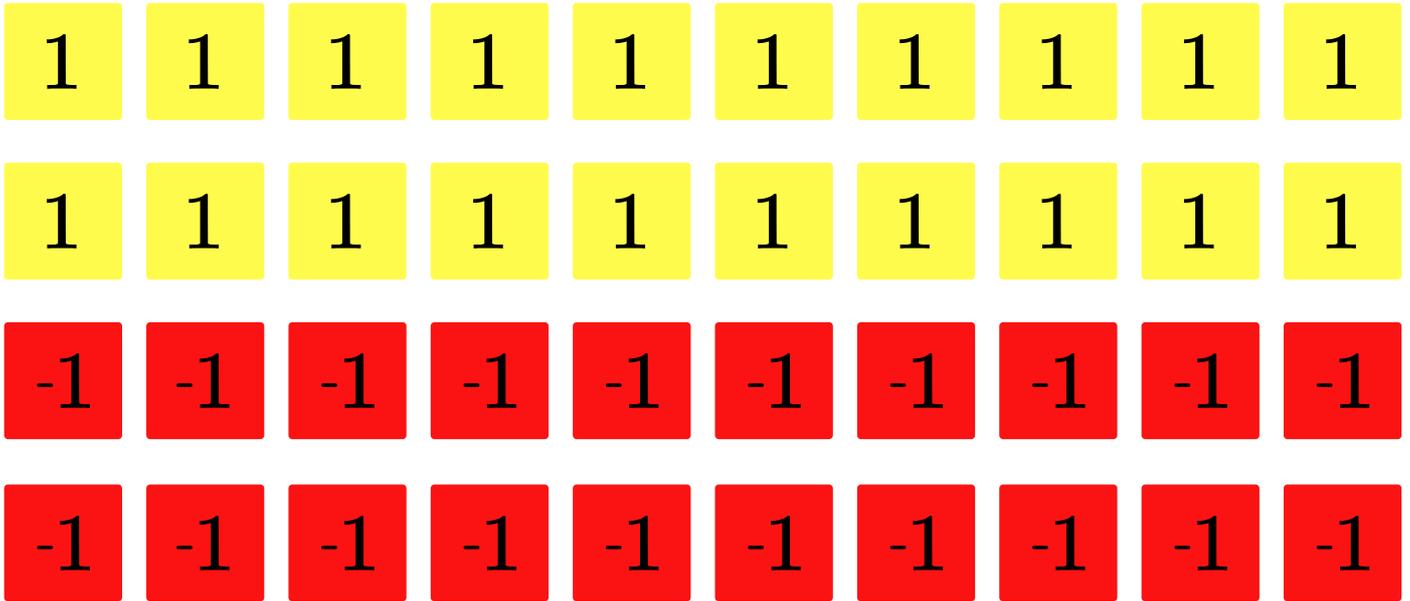
$$-x^2$$

Templates

x

$-x$

Templates



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