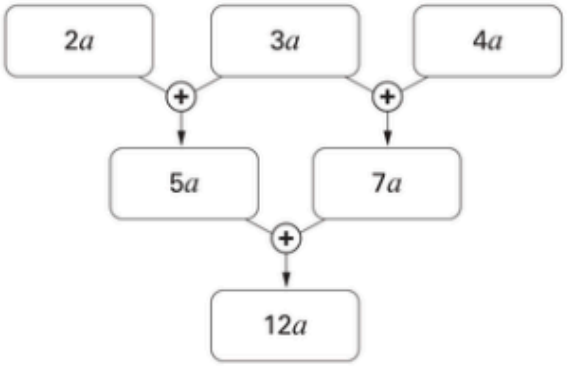
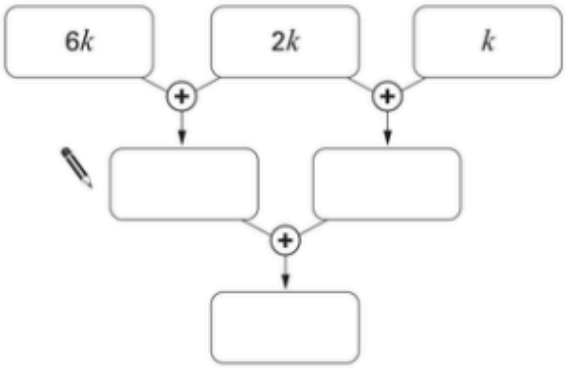
Algebraic Expressions and Formulae

Simplifying expressions and using formulae is the gateway skill to everything else in algebra — practice makes it click!

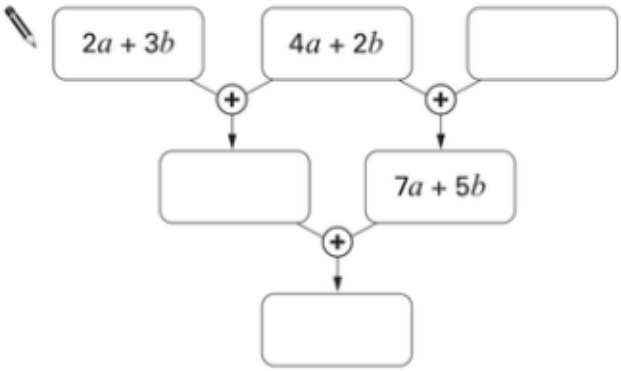
Look at this algebra grid.



Complete the algebra grids below, simplifying each expression.



1 mark



2 marks

KS3 Maths SATs, Tier 3-5, Paper 2 (2005) - Q17

Write these expressions as simply as possible.

$9 - 3k + 5k =$ ..... 1 mark

$k^2 + 2k + 4k =$ ..... 1 mark

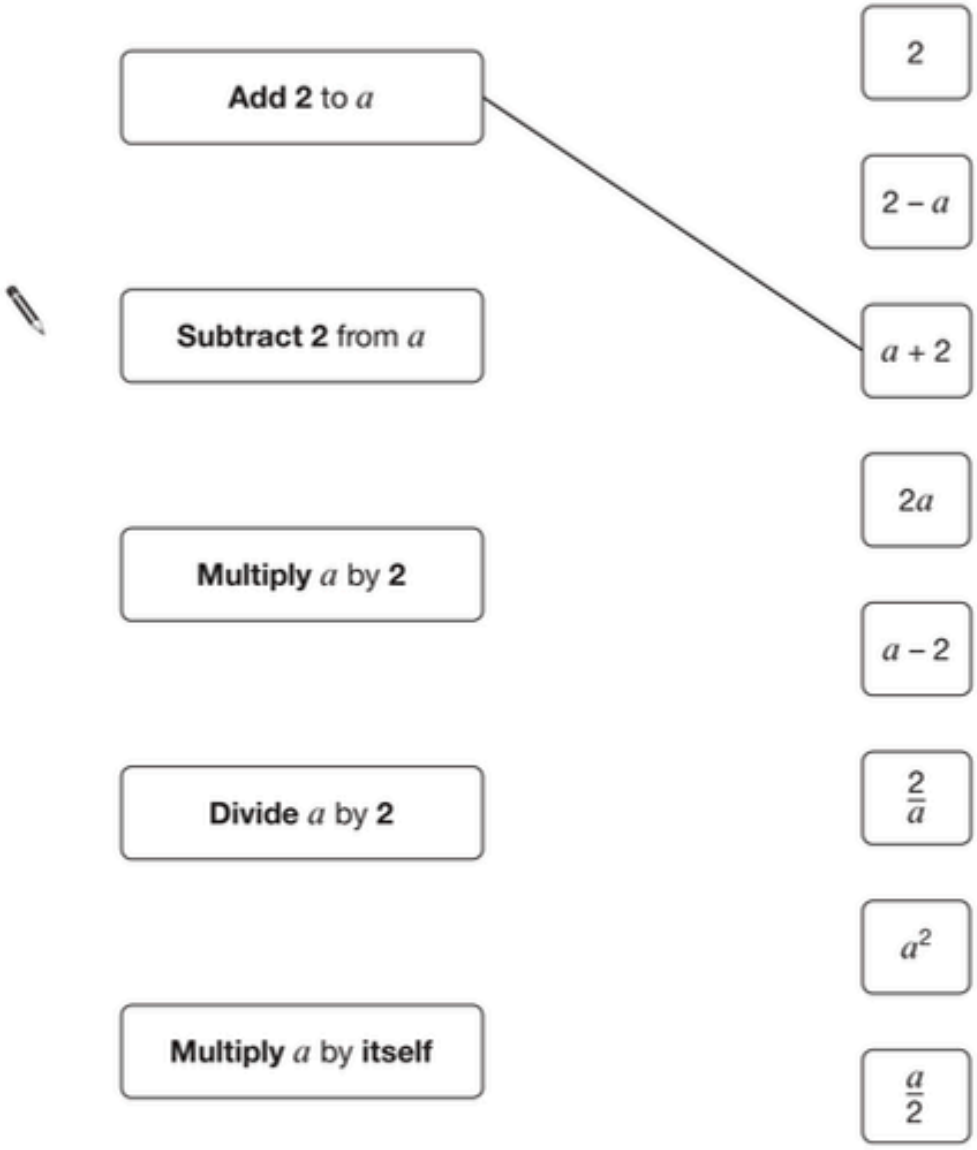
$3k \times 2k =$ ..... 1 mark

$\frac{9k^2}{3k} =$ ..... 1 mark

Modern Tuition

Match each statement to the correct expression.

The first one is done for you.



2 marks

Modern Tuition

Here is some information about three people.

- Jo is 2 years older than Harry.
- Kate is twice as old as Jo.

Write an expression for each person's age using n

The first one is given.

Harry's age n

Jo's age _____ 1 mark

Kate's age _____ 1 mark

Modern Tuition

Write **numbers** in the boxes to make the statements true.

When $x =$ ☐ then $x + 3 =$ ☐

When $x =$ ☐ then $3x =$ ☐

When $x =$ ☐ then $\frac{x}{3} =$ ☐

2 marks

Boxes of tins are delivered to a shop.

There are **37 boxes**.

Each box contains **25 tins**.

How many tins are there?

2 marks

Modern Tuition