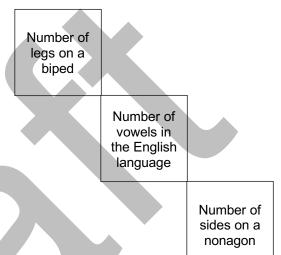# ALGE-GRID: What's the *a*? PUZZLE I

Each clue gives the value of a corresponding cell. Use clues to find *a*, which has the same value in all cells. Once evaluated, the cells will contain the whole numbers 1 – 9, exactly once.

The Alge-Grid

$\left(\sqrt{a}\right)^2$	$(a + 1)^2 - 6$	$a \div a$
$a^3 - 2$	$5a \div 2$	$(a \div 2)^3 + 6$
$a^2 - a + 2$	$a + 6$	$a^3 + 1$

The Clues

Number of legs on a biped

Number of vowels in the English language

Number of sides on a nonagon

ALGE-GRID: What's the *a*? PUZZLE II

Each clue gives the value of a corresponding cell. Use clues to find *a*, which has the same value in all cells. Once evaluated, the cells will contain the whole numbers 1 – 9, exactly once.

The Alge-Grid

$(a + 1) \div 4$	$a + 1$	$a - 1$
$(a + 3) \div 2$	$(a + 1) \div 2$	$(a - 1) \div 2$
$(4a)^0$	$a + 2$	$2a - 7$

The Clues

Number of planets in the solar system
Even square number
Number of wheels on a unicycle