

# Algebra multiplication squares

**This task is about what happens to indices when algebraic expressions are multiplied.**

- a) The squares in the box below can be filled in so that each row and column equals  $x^3y^4$  when the expressions in it are multiplied together.

Fill in the boxes in the order they are numbered.

$xy$	$x$	1.	$x^3y^4$
2.	4.	5.	$x^3y^4$
$y^2$	3.	$x$	$x^3y^4$
$x^3y^4$	$x^3y^4$	$x^3y^4$	

- b) Fill in the squares in the box below so that each row and column equals  $x^6y^3$  when the expressions in that row or column are multiplied together.

$x^2$		$xy$	$x^6y^3$
	$x^2y$		$x^6y^3$
$x^3y$			$x^6y^3$
$x^6y^3$	$x^6y^3$	$x^6y^3$	