

# Fill in the Blanks

# Solving Quadratics by Factorising

Quadratic Equation	Factorised Equation	1 <sup>st</sup> Equation	2 <sup>nd</sup> Equation	1 <sup>st</sup> Solution	2 <sup>nd</sup> Solution
$x^2 + 8x + 15 = 0$	$(x + 5)(x + 3) = 0$	$x + 5 = 0$	$x + 3 = 0$	$x = -5$	$x = -3$
$x^2 - 8x - 20 = 0$					
$x^2 - x - 20 = 0$					
$x^2 - x - 6 = 0$					
$x^2 - 5x + 6 = 0$					
$x^2 - 5x + 4 = 0$					
$x^2 - 4x + 4 = 0$					
	$(x - 7)(x + 3) = 0$				
		$x - 8 = 0$	$x + 5 = 0$		
		$x + 6 = 0$			$x = -7$
				$x = 3$	$x = -5$