

Asynchronous Activity for Grade 8 Mathematics
 August 28, 2024 | WEDNESDAY
 Factor the following completely then drag the correct answer from the answer box below.

$x^3 + 125$	$a^3 + 125$	$64x^3 + 1$
DROP HERE	DROP HERE	DROP HERE
$a^3 + 64$	$x^3 + 27$	$343m^3 + 64n^3$
DROP HERE	DROP HERE	DROP HERE
$x^3 - 64$	$x^3 + 1$	$m^3 + 8n^3$
DROP HERE	DROP HERE	DROP HERE
$u^3 + 8$	$8x^3 + 27$	$a^3 + 343b^3$
DROP HERE	DROP HERE	DROP HERE
$x^3 - 27$	$-27u^3 + 125$	$x^3 - 216y^3$
DROP HERE	DROP HERE	DROP HERE
$125 - x^3$	$-a^3 - 8$	$m^3 + 64$
DROP HERE	DROP HERE	DROP HERE
$1 - a^3$	$8a^3 + 125$	
DROP HERE	DROP HERE	

Answer Box

$(m + 2n)(m^2 - 2mn + 4n^2)$	$(x + 3)(x^2 - 3x + 9)$	$(a + 7b)(a^2 - 7ab + 49b^2)$
$(x - 3)(x^2 + 3x + 9)$	$(m + 4n)(m^2 - 4mn + 16n^2)$	$(5 - x)(25 + 5x + x^2)$
$(x - 6y)(x^2 + 6xy + 36y^2)$	$(x - 4)(x^2 + 4x + 16)$	$(2a + 5)(4a^2 - 10a + 25)$
$(2x + 3)(4x^2 - 6x + 9)$	$(4x + 1)(16x^2 - 4x + 1)$	$(u + 2)(u^2 - 2u + 4)$
$(a + 4)(a^2 - 4a + 16)$	$(7m + 4n)(49m^2 - 28mn + 16n^2)$	$(x + 1)(x^2 - x + 1)$
$(a + 5)(a^2 - 5a + 25)$	$(1 - a)(1 + a + a^2)$	$(x + 5)(x^2 - 5x + 25)$
$(-a - 2)(a^2 - 2a + 4)$		$(-3u + 5)(9u^2 + 15u + 25)$