

Factoring Sum and Differences of Two Cubes ($Ax^3 + B$ or $Ax^3 - B$)

We're Bruyn Math



Shari Bruyn & Associates
Putting the Fun in the Fundamentals of Math

Polynomials - Factoring Sum and Differences of Two Cubes 1

Cover up the incorrect factoring by shading in the rectangle. You will reveal a fun pun.

<p>THEY $8x^3 - 125 =$ $(2x-5)(4x^2 + 10x + 25)$</p>	<p>THE $x^3 + 216 =$ $(x+6)(x^2 - 12x + 36)$</p>	<p>TOLD $x^3 - 125 =$ $(x-5)(x^2 + 5x + 25)$</p>	<p>BOSS $27x^3 - 64 =$ $(3x-4)(9x^2 + 12x - 16)$</p>
<p>ME $8x^3 + 343 =$ $(2x+7)(4x^2 - 14x + 49)$</p>	<p>I $64x^3 - 125 =$ $(4x-5)(16x^2 + 20x + 25)$</p>	<p>THINKS $64x^3 - 27 =$ $(8x-3)(64x^2 + 24x + 9)$</p>	<p>HAD $27x^3 - 1 =$ $(3x-1)(9x^2 + 3x + 1)$</p>
<p>SAY $343x^3 - 8 =$ $(7x-2)(49x^2 + 14x - 8)$</p>	<p>TYPE $216x^3 + 1 =$ $(6x+1)(36x^2 - 6x + 1)$</p>	<p>VAMPIRE $8x^3 + 125 =$ $(2x+5)(4x^2 + 10x - 25)$</p>	<p>A $x^3 + 64 =$ $(x+4)(x^2 - 4x + 16)$</p>
<p>BECAUSE $125x^3 - 1 =$ $(5x-1)(25x^2 - 5x + 1)$</p>	<p>THE $216x^3 - 343 =$ $(6x-7)(12x^2 + 42x + 14)$</p>	<p>BLOOD $343x^3 + 1 =$ $(6x+1)(36x^2 - 6x + 1)$</p>	<p>WAS $125x^3 - 27 =$ $(5x+3)(25x^2 - 15x + 9)$</p>
<p>BUT $27x^3 - 8 =$ $(3x-2)(9x^2 + 6x + 4)$</p>	<p>DRINK $49x^3 + 36 =$ $(7x+6)(49x^2 - 42x + 36)$</p>	<p>IT $x^3 + 216 =$ $(x+6)(x^2 - 6x + 36)$</p>	<p>WAS $8x^3 - 125 =$ $(2x-5)(4x^2 + 10x + 25)$</p>
<p>A $125x^3 + 27 =$ $(5x+3)(25x^2 - 15x + 9)$</p>	<p>TYPE $343x^3 - 8 =$ $(7x-2)(49x^2 + 14x + 8)$</p>	<p>MILK $64x^3 + 125 =$ $(4x+5)(16x^2 + 20x + 25)$</p>	<p>O $64x^3 - 343 =$ $(4x-7)(16x^2 + 28x + 49)$</p>

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ME $8x^3 + 343 =$ $(2x+7)(4x^2-14x+49)$	I $64x^3 - 125 =$ $(4x-5)(16x^2+20x+25)$	THINKS $64x^3 - 27 =$ $(8x-3)(64x^2+24x+9)$	HAD $27x^3 - 1 =$ $(3x-1)(9x^2+3x+1)$
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BECAUSE $125x^3 - 1 =$ $(5x-1)(25x^2-5x+1)$	THE $216x^3 - 343 =$ $(6x-7)(12x^2+42x+14)$	BLOOD $343x^3 + 1 =$ $(6x+1)(36x^2-6x+1)$	WAS $125x^3 - 27 =$ $(5x+3)(25x^2-15x+9)$
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They told me I had type A blood, but it was a type-O