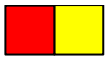
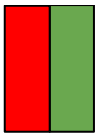
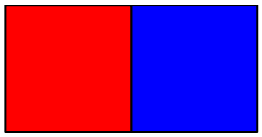
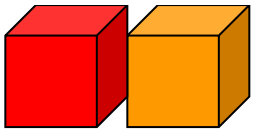
POLYNOMIALS AND ALGEBRA TILES

Reference Key

-1 & 1	$-x^{\square}$ & $x^{\square}$	$-x^2$ & x^2	$-x^3$ & x^3
			

Note: All red algebra tiles represent negative terms. A zero pair is a positive and negative pair.

Adding Polynomials

Build each polynomial separately. ***What is the most efficient way to summarize how many blocks of each kind you have all together?***

($3x^3 + 2x^2 - x - 3$) and ($- x^3 - 5x^2 + 5$)

Answer: _____

Reflect: Describe how you thought through the problem from start to finish. (Verbalize your thought process on working through the problem.)

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	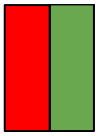	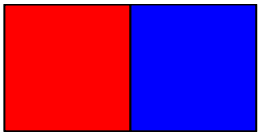	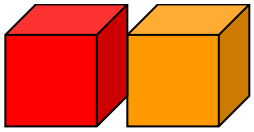

Note: All red algebra tiles represent negative terms. A zero pair is a positive and negative pair.

Subtracting Polynomials

Build **$(5x^3 - 3x^2 + 2x + 6)$** and take away **$(-2x^3 + 2x^2 - x + 2)$**. ***How many do you have left?***

Answer: _____

Reflect: Describe how you thought through the problem from start to finish. (Verbalize your thought process on working through the problem.)