

MathFLIX CHALLENGE

October 18, 2007

Summation Notation / Sigma Notation / Σ

The sigma notation, Σ , provides a very concise way to express the sum of a long set of numbers. Study the models below to see if you can discover a pattern that will help you complete the table.

Sigma Notation	Sigma Translation	Sigma Computation
$\sum_{r=2}^5 1r$	$2 + 3 + 4 + 5$	_____
$\sum_{n=4}^{10} 1n$	$4 + 5 + _ + _ + _ + _ + _$	_____
$\sum_{t=3}^6 1t$	$3 + 4 + 5 + 6$	_____
Σ	$1 + 2 + 3 + 4$	_____
Σ	$10 + 11 + 12 + 13 + 14$	_____
$\sum_{t=1}^5 1t$		_____
$\sum_{t=1}^5 2t$		_____
$\sum_{t=1}^5 3t$		_____
$\sum_{t=1}^5 4t$		_____
$\sum_{t=1}^5 10t$		_____