Summation Notation Examples
(Using Subscript and Superscript) with SimBraille

1. The sum from n equals one to three of two n minus one is written

$$\sum_{n=1}^{3} 2n - 1$$

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2. The sum from k equals one to ten of five equals fifty is written

$$\sum_{k=1}^{10} 5 = 50$$

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3. The sum from n equals two to four of open fraction one over n minus one close fraction equals one and five-sixths is written

$$\sum_{n=2}^{4} \frac{1}{n-1} = 1\frac{5}{6}$$

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4. The sum from i equals one to infinity of ten open parenthesis one-half close parenthesis to the n minus 1 power equals twenty is written

$$\sum_{i=1}^{\infty} 10\left(\frac{1}{2}\right)^{n-1} = 20$$

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5. The sum from i equals one to n of x sub i is written

$$\sum_{i=1}^{n} x_i$$

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