

- QCM3 - Sujet 1 - Correction

n désigne un entier naturel non nul.

Questions	Réponses
1. $\sum_{k=2}^n k =$	<input type="checkbox"/> $\frac{n(n+1)}{2}$ <input checked="" type="checkbox"/> $\frac{n^2+n-2}{2}$ <input type="checkbox"/> $\frac{(n+1)(n+2)}{2}$ <input checked="" type="checkbox"/> $\frac{(n-1)(n+2)}{2}$
2. $\sum_{k=1}^n (k+1) =$	<input checked="" type="checkbox"/> $\sum_{k=2}^{n+1} k$ <input type="checkbox"/> $\sum_{k=0}^{n-1} k$ <input checked="" type="checkbox"/> $n + \sum_{k=1}^n k$ <input type="checkbox"/> $1 + \sum_{k=1}^n k$
3. $\frac{\prod_{k=1}^n k}{\prod_{k=2}^{n+1} k} =$	<input checked="" type="checkbox"/> $\frac{1}{n+1}$ <input type="checkbox"/> $\frac{n+1}{2}$ <input type="checkbox"/> $\frac{2}{(n+1)}$ <input type="checkbox"/> $\prod_{k=1}^{n+1} k$
4. $\sum_{i=1}^n \sum_{j=1}^i (i \times j^2) =$	<input type="checkbox"/> $\sum_{j=1}^n \sum_{i=1}^j (i \times j^2)$ <input checked="" type="checkbox"/> $\sum_{j=1}^n \sum_{i=j}^n (i \times j^2)$ <input type="checkbox"/> $\sum_{j=1}^i \sum_{i=1}^n j \times i^2$ <input type="checkbox"/> $\sum_{j=1}^i \sum_{i=1}^n (i \times j^2)$

- QCM3 - Sujet 2 - Correction

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Questions	Réponses
1. $\sum_{k=2}^{n+1} k =$	<input type="checkbox"/> $\frac{n(n+2)}{2}$ <input checked="" type="checkbox"/> $\frac{n(n+3)}{2}$ <input checked="" type="checkbox"/> $\frac{(n+1)(n+2)}{2} - 1$ <input type="checkbox"/> $\frac{(n-1)(n+2)}{2}$
2. $\sum_{k=1}^n (k-1) =$	<input type="checkbox"/> $\sum_{k=2}^{n+1} k$ <input type="checkbox"/> $\sum_{k=0}^n k$ <input checked="" type="checkbox"/> $\sum_{k=0}^{n-1} k$ <input checked="" type="checkbox"/> $\sum_{k=1}^n k - n$
3. $\frac{\prod_{k=1}^{n+1} k}{\prod_{k=2}^n k} =$	<input type="checkbox"/> $\frac{1}{n+1}$ <input type="checkbox"/> $\frac{n+1}{2}$ <input checked="" type="checkbox"/> $n+1$ <input type="checkbox"/> $\prod_{k=2}^{n+1} k$
4. $\sum_{i=1}^n \sum_{j=i}^n (i \times j^2) =$	<input checked="" type="checkbox"/> $\sum_{j=1}^n \sum_{i=1}^j (i \times j^2)$ <input type="checkbox"/> $\sum_{j=1}^n \sum_{i=j}^n (i \times j^2)$ <input type="checkbox"/> $\sum_{j=i}^n \sum_{i=1}^n j \times i^2$ <input type="checkbox"/> $\sum_{j=i}^n \sum_{i=1}^n (i \times j^2)$