**LES SURFACES ELEMENTAIRES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***PLANE*** |  | ***CYLINDRIQUE*** |  | ***CONIQUE*** |
| v5 |  | v3 |  | v9 |

|  |  |
| --- | --- |
| ***SPHERIQUE*** | ***TORE*** |
| v4 |  |

**LES AIRES DES FORMES ELEMENTAIRES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***CARRE*** |  | ***RECTANGLE*** |  | ***PARALLELOGRAMME*** |
| s1 |  | s2 |  | s3 |
| **S = a²** |  | **S = a x b** |  | **S = a x b** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***TRAPEZE*** | | |  | ***TRIANGLE*** | | |  | ***HEXAGONE*** | | |
| s4 | | |  | s5 | | |  | s6 | | |
|  | | |  |  | | |  |  | | |
| **S =** | **a + b** | **X h** | **S =** | **b x h** |  | **S =** | **6 x c** | **X a** |
| **2** | **2** | **2** |
|  | | |  | | |  | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***CERCLE*** | | |  | ***SECTEUR*** | | |  |
| s7 | | |  | s8 | | |  |
|  | | |  |  | | |  |
| **S =** | **π x d²** | **= π x r²** | **S =** | **π x r x n°** |  |  |
| **4** | **360** |
|  | | |  | | |

**LES VOLUMES ELEMENTAIRES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***CYLINDRE*** |  | ***CUBE*** |  | ***PARALLELEPIPEDE*** |
| v3 |  | v2 |  | v1 |
| **V = S x h** |  | **V = a3** |  | **V = a x b x h** |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***PYRAMIDE*** | | |  | ***PRISMES*** |  | ***SPHERE*** | | |
| v5 | | |  | v8 |  | v4 | | |
|  | | |  | **V = S x h** |  |  | | |
| **V =** | **S x h** |  | **V =** | **4 x π x r²** |  |
| **3** | **3** |
|  | | |  | | |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***CALOTTE SPHERIQUE*** | | | |  | ***TRONC DE CONE*** | | |  | ***CONE*** | | |
| v6 | | | |  | v9 | | |  | v7 | | |
|  | | | |  |  | | |  |  | | |
| **V =** | **π x h² x ( r -** | **h** | **)** | **V=** | **π x h** | **( R² + r² + ( Rxr ))** | **V =** | **S x h** |  |
| **3** | **3** | **3** |
|  | | | |  | | |  | | |