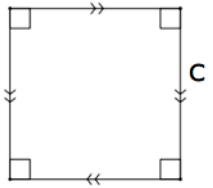
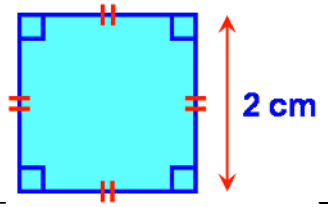
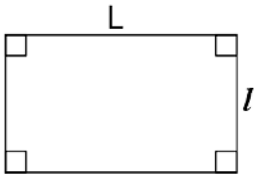
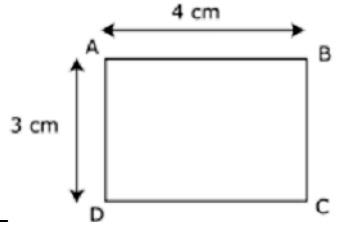
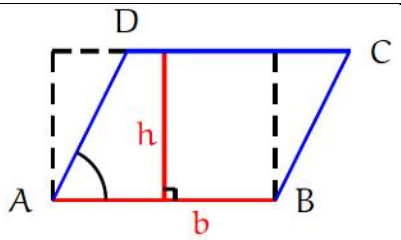
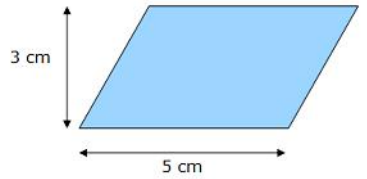
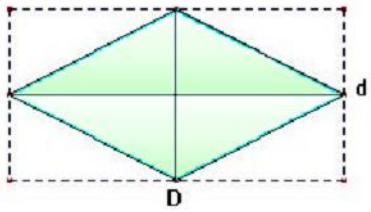
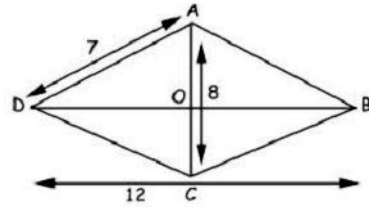
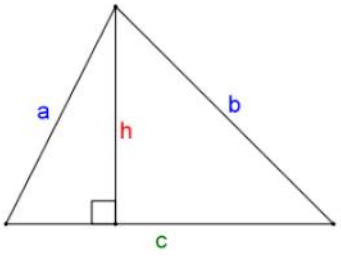
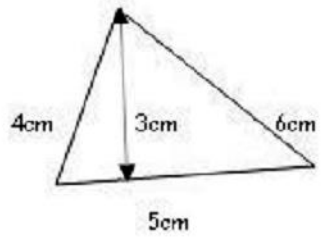
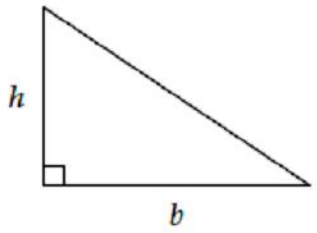
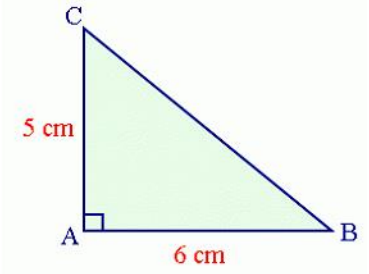
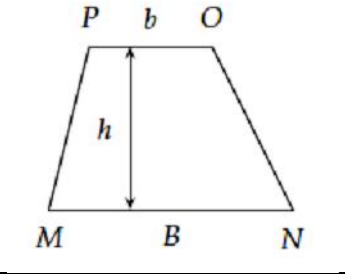
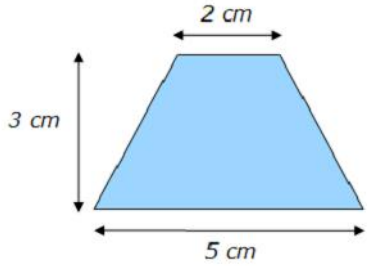
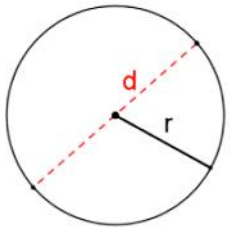
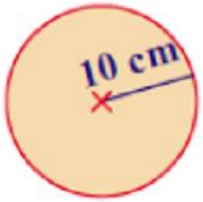
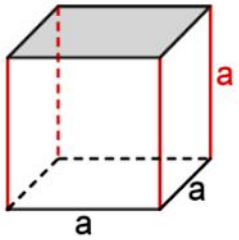
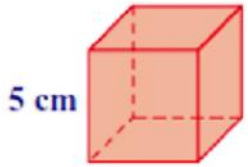
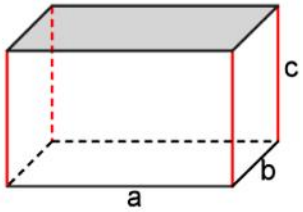
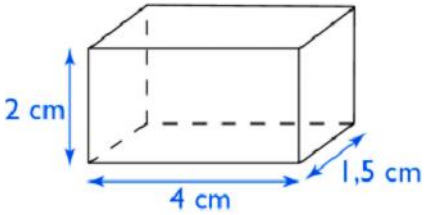
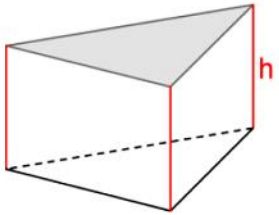
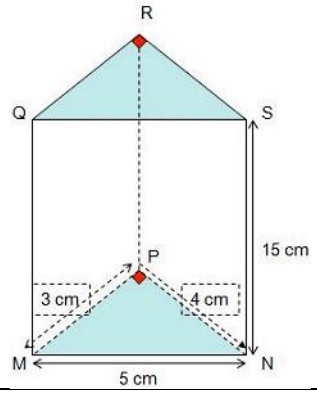
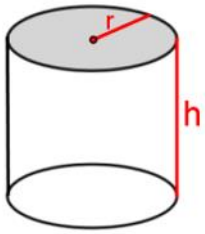
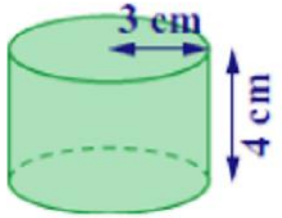
# Rappel de formules sur les aires et les périmètres

| Figure | Nom | Formule (P = Périmètre, A = Aire) | Exemple | Calcul à effectuer (VE = valeur exacte, VA = valeur arrondie) |
|---|---|---|---|---|
|   | Carré | $P_{carré}$ = ..... <br> $A_{carré}$ = ..... |   | $P_{carré}$ = ..... cm <br> $A_{carré}$ = ..... $cm^2$ |
|   | Rectangle | $P_{rectangle}$ = ..... = ..... <br> $A_{rectangle}$ = ..... |   | $P_{rectangle}$ = ..... cm <br> $A_{rectangle}$ = ..... $cm^2$ |
|   | Parallélogramme | $A_{parallélogramme}$ = ..... |   | $A_{parallélogramme}$ = .....×..... <br> $A_{parallélogramme}$ = ..... $cm^2$ |
|   | Losange (A garder dans un coin de la tête) | $A_{losange} = \frac{.....}{.....}$ |   | $A_{losange} = \frac{.....}{.....}$ = ..... $cm^2$ |
|   | Triangle quelconque | $P_{triangle\ quelconque}$ = ..... <br> $A_{triangle\ quelconque} = \frac{.....\times.....}{.....}$ |   | $P_{triangle\ quelconque}$ = ..... <br> $P_{triangle\ quelconque}$ = ..... cm <br> $A_{triangle\ quelconque} = \frac{.....\times.....}{.....}$ <br> $A_{triangle\ quelconque}$ = ..... $cm^2$ |

| | | | | |
|---|---|---|---|---|
|  | Triangle rectangle | $A_{\text{triangle rectangle}} = \frac{\ldots\ldots\times\ldots\ldots}{\ldots\ldots}$ |  | $A_{\text{triangle rectangle}} = \frac{\ldots\ldots\times\ldots\ldots}{\ldots\ldots}$<br>$A_{\text{triangle rectangle}} = \ldots\ldots\ldots\ldots \text{ cm}^2$ |
|  | Trapèze (vu en DM) | $A_{\text{trapèze}} = \frac{(\ldots\ldots+\ldots\ldots)}{\ldots\ldots}\times\ldots\ldots$ |  | $A_{\text{trapèze}} = \frac{(\ldots\ldots+\ldots\ldots)}{\ldots\ldots}\times\ldots\ldots$<br>$A_{\text{trapèze}} = \ldots\ldots\ldots\ldots \text{ cm}^2$ |
|  | Cercle et disque | $P_{\text{cercle}} = \ldots\ldots\ldots\ldots = \ldots\ldots\ldots\ldots$<br>$A_{\text{disque}} = \ldots\ldots\ldots\ldots$ |  | $P_{\text{cercle}} = \ldots\ldots\ldots\ldots$<br>$P_{\text{cercle}} = \ldots\ldots\ldots \text{ cm } (VE)$<br>$P_{\text{cercle}} \approx \ldots\ldots\ldots \text{ cm } (VA \text{ cm})$<br>$A_{\text{disque}} = \ldots\ldots\ldots\ldots$<br>$A_{\text{disque}} = \ldots\ldots\ldots\ldots \text{ cm}^2 (VE)$<br>$A_{\text{disque}} \approx \ldots\ldots\ldots\ldots \text{ cm}^2 (VA \text{ cm}^2)$ |

# Rappel de formules sur les volumes et aires latérales de solides

| Figure | Nom | Formule (V = Volume, A = Aire, P = Périmètre) | Exemple | Calcul à effectuer |
|---|---|---|---|---|
|  | Cube | $V_{cube}$ = ……<br>$A_{totale}$ = …… |  | $V_{cube}$ = …… $cm^3$<br>$A_{totale}$ = …… $cm^2$ |
|  | Pavé droit (Parallélépipè de rectangle) | $V_{pavé\ droit}$ = ……<br>$A_{totale}$ = …… |  | $V_{pavé\ droit}$ = …… $cm^3$<br>$A_{totale}$ = …… $cm^2$ |
|  | Prisme droit | $V_{prisme\ droit}$ = ……<br>$A_{latérale}$ = …… |  | $V_{prisme\ droit}$ = ……<br>$V_{prisme\ droit}$ = …… $cm^3$<br>$A_{latérale}$ = ……<br>$A_{latérale}$ = …… $cm^2$ |
|  | Cylindre de révolution | $V_{cylindre}$ = ……<br>$A_{latérale}$ = …… |  | $V_{cylindre}$ = …… $cm^3 (VE)$<br>$V_{cylindre}$ ≈ …… $cm^3 (VA\ cm^3)$<br>$A_{latérale}$ = …… $cm^2 (VE)$<br>$A_{latérale}$ ≈ …… $cm^2 (VA\ cm^2)$ |

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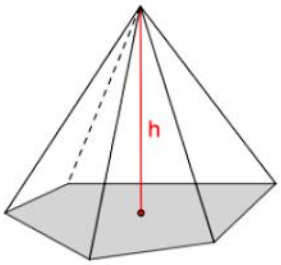
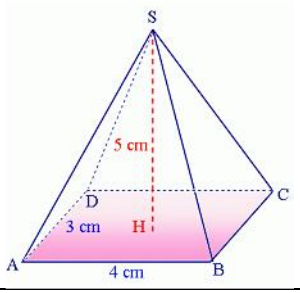
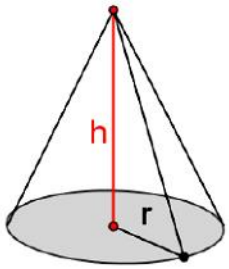
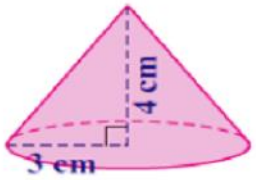
|---|---|---|---|---|
|  | Pyramide | $V_{pyramide} = \frac{\ldots\ldots\ldots\ldots \times \ldots\ldots\ldots\ldots}{\ldots\ldots}$ |  | $V_{pyramide} = \frac{\ldots\ldots\ldots\ldots \times \ldots\ldots\ldots\ldots}{\ldots\ldots}$<br>$V_{pyramide} = \ldots\ldots\ldots\ldots \text{ cm}^3$ |
|  | Cône de révolution | $V_{cône} = \frac{\ldots\ldots\ldots\ldots \times \ldots\ldots\ldots\ldots}{\ldots\ldots}$ |  | $V_{cône} = \frac{\ldots\ldots\ldots\ldots \times \ldots\ldots}{\ldots\ldots} = \ldots\ldots\ldots\ldots \text{ cm}^3 (VE)$<br>$V_{cône} \approx \ldots\ldots\ldots\ldots\ldots\ldots \text{ cm}^3$ ($V\Lambda$ au $\text{cm}^3$ *près*) |

# Rappel tableau de conversion d'unités

| Les préfixes | **kilo** | **hecto** | **déca** | Unité principale | **déci** | **centi** | **milli** |
|---|---|---|---|---|---|---|---|
| Lettres du préfixe | **k** | **h** | **da** | | **d** | **c** | **m** |
| **Longueurs** | km | hm | dam | **m** | dm | cm | mm |
| **Masses** | kg | hg | dag | **g** | dg | cg | mg |
| **Capacités** | kL | hL | daL | **L** | dL | cL | mL |
| | | | | | | | |

**: 10** **: 10** **: 10** **X10** **X10** **X10**

| **Aires** | km² | hm² | dam² | **m²** | dm² | cm² | mm² |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

**:10²** **:10²** **:10²** **X10²** **X10²** **X10²**

| **Volumes** | km³ | | | hm³ | | | dam³ | | | **m³** | | | dm³ | | | cm³ | | | mm³ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Capacités** | | | | | | | | | | | | kL | hL | daL | **L** | dL | cL | mL | | | |
| | | | | | | | | | | | | | | | | | | | | | |

**:10³** **:10³** **:10³** **X10³** **X10³** **X10³**