

Nombres

Calcul

Géométrie

OGD/ALG/PROBA

Mesure



Connaitre les solides





OBJECTIF(S) DE LA SÉANCE

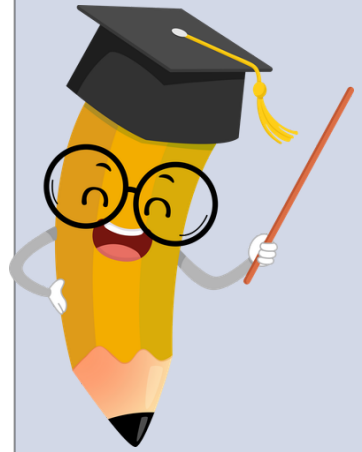
©www.laclassedemallory.net



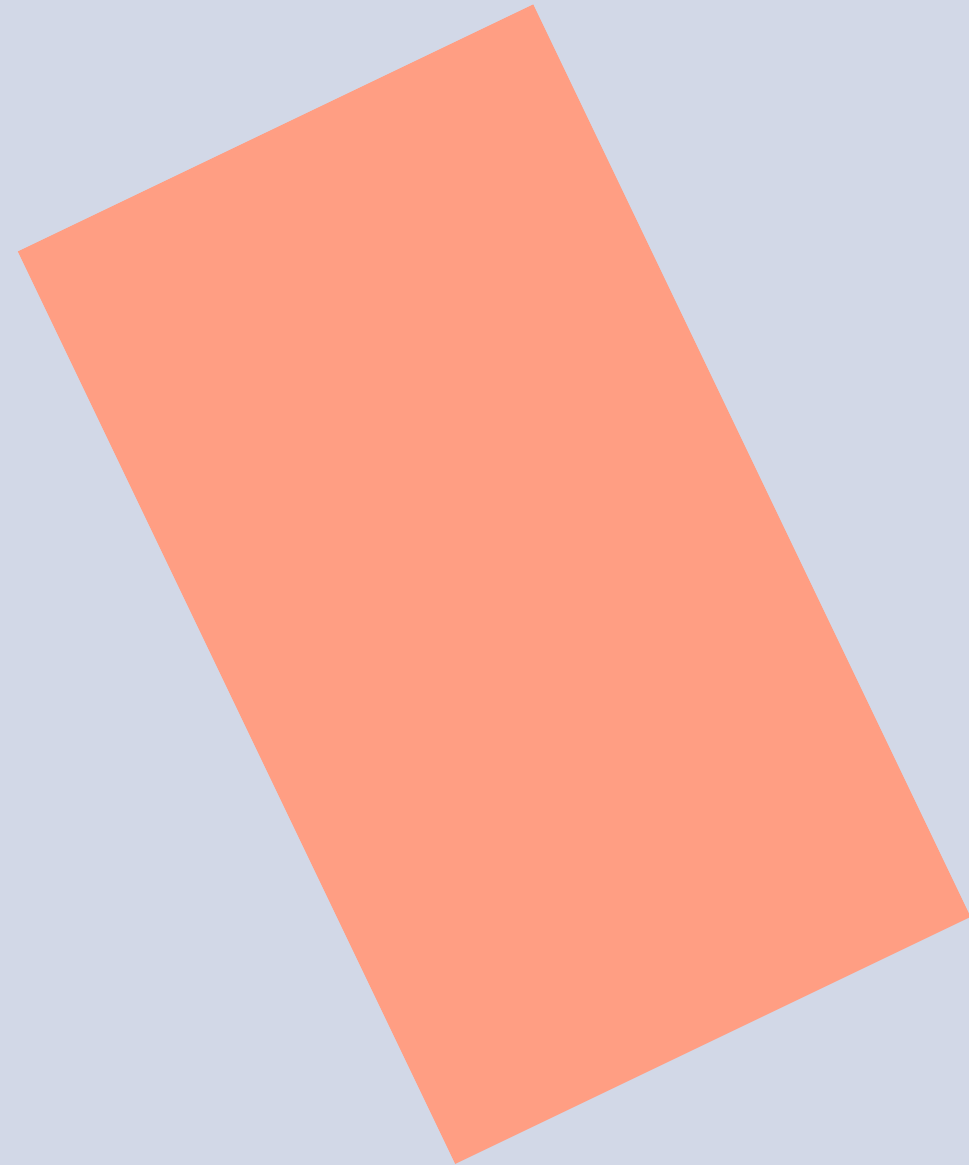
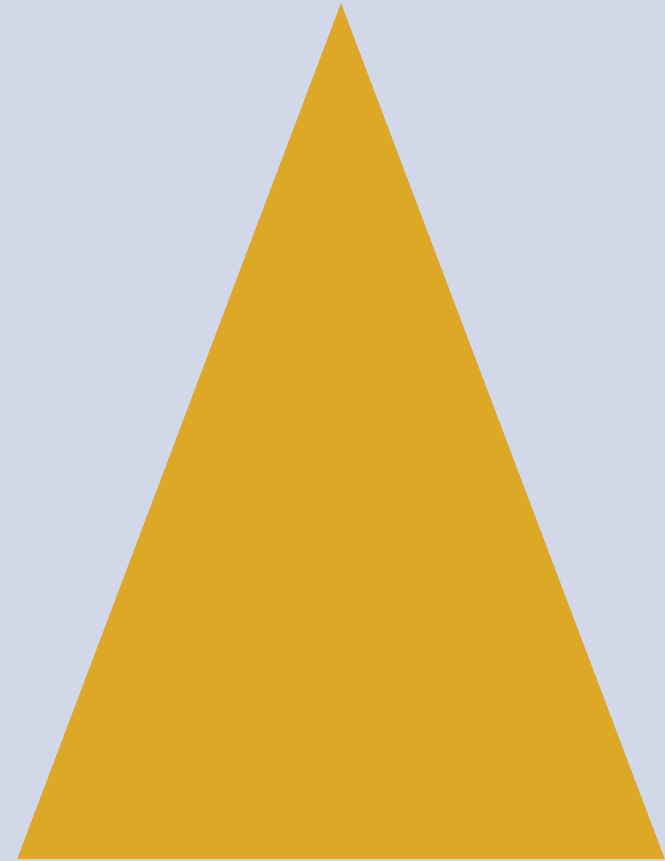
- **GEOMETRIE**
- **Connaitre le vocabulaire des solides**
- **Identifier certains solides**
- **Reconnaitre un patron de solide**



PRÉ-REQUIS



Identifie les figures planes suivantes.

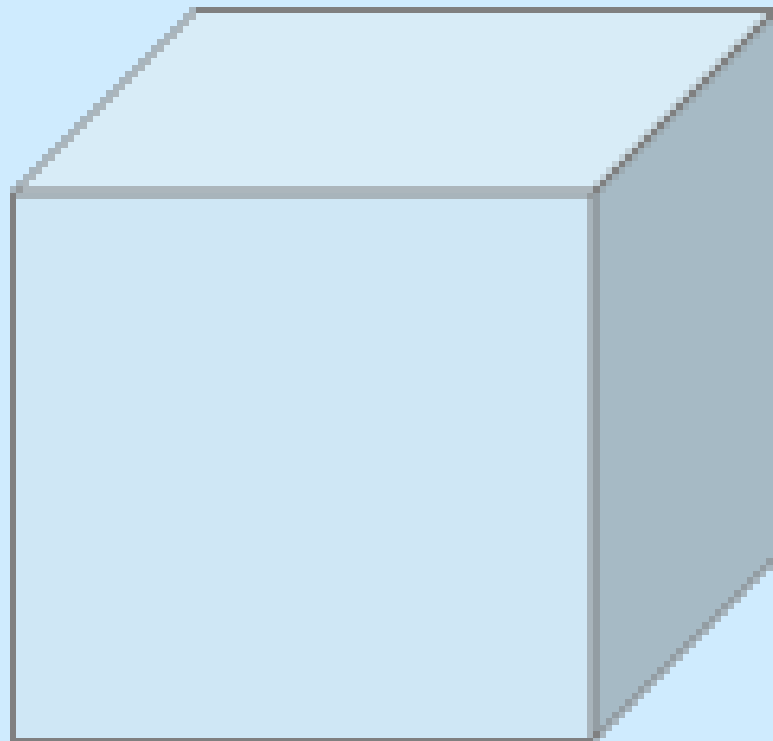




QU'EST-CE-QU'UN SOLIDE

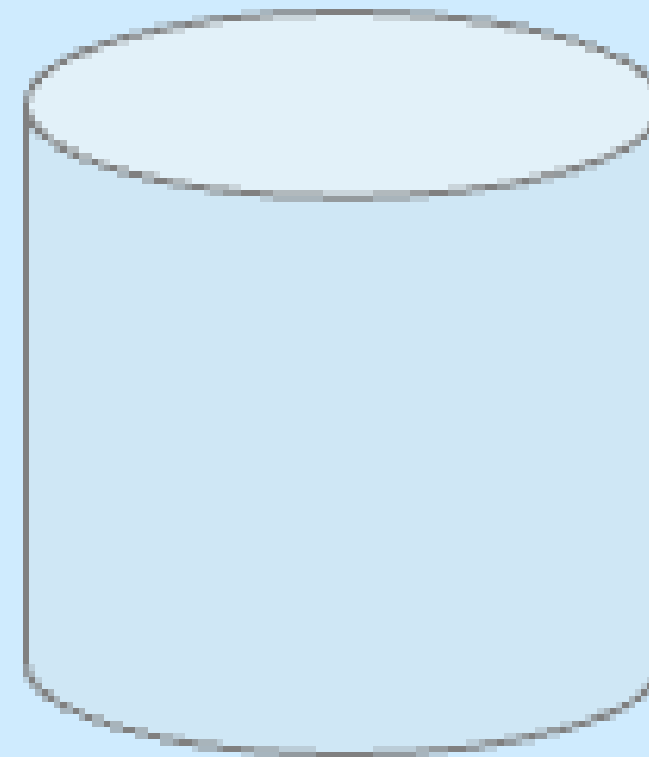
**Un solide est une figure géométrique en volume.
Il existe deux sortes de solides.**

Polyèdre



**solide délimité
uniquement par
des polygones**

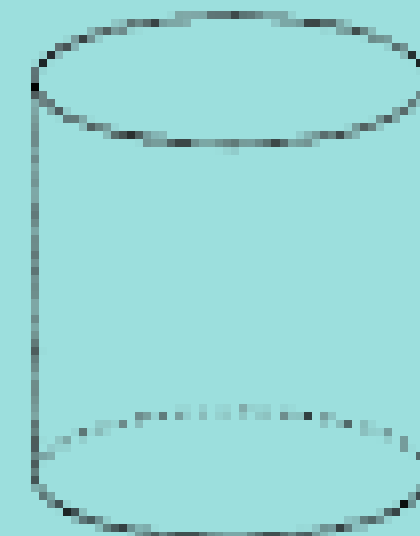
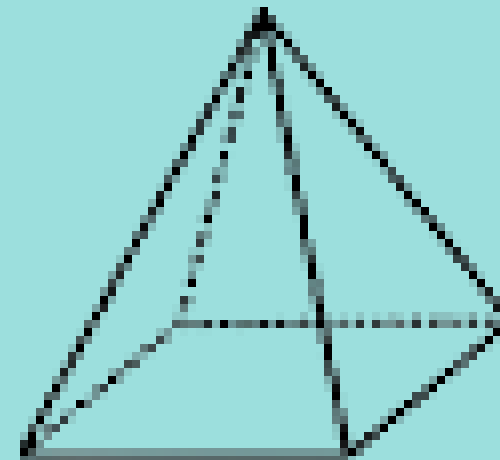
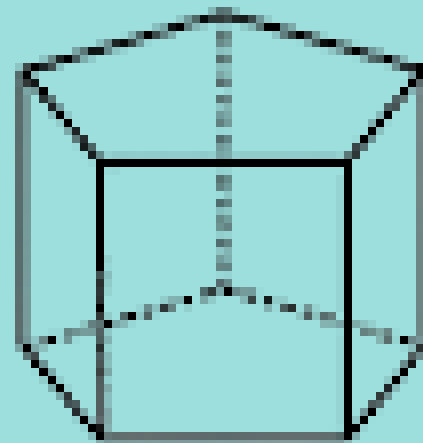
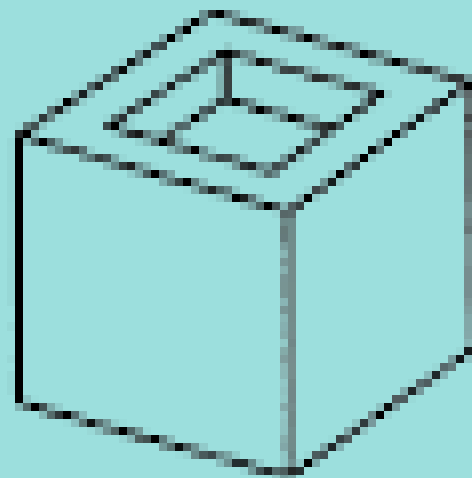
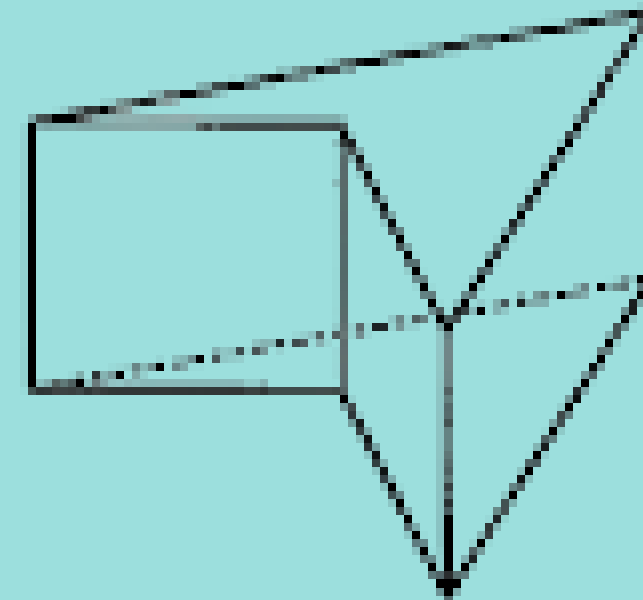
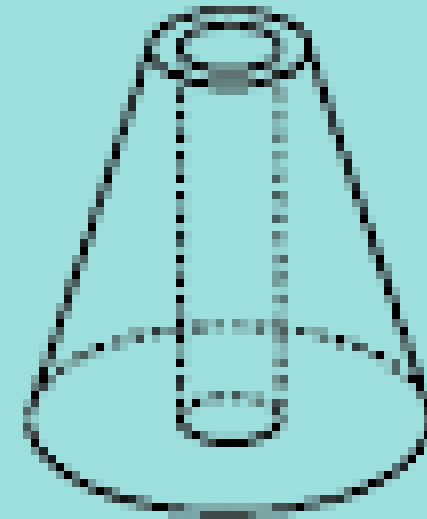
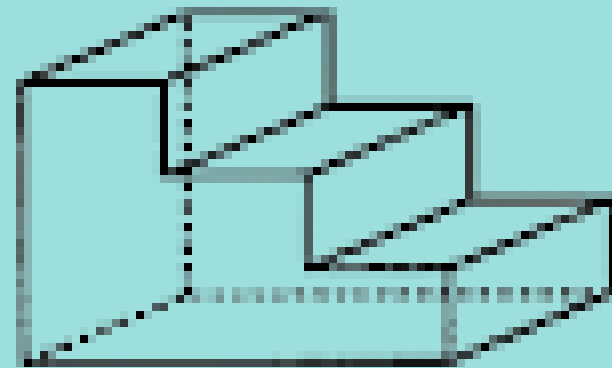
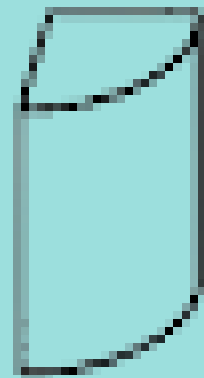
Non polyèdre





MINI TEST

Quelles figures sont des polyèdres ?





CONNAITRE LE VOCABULAIRE DES SOLIDES

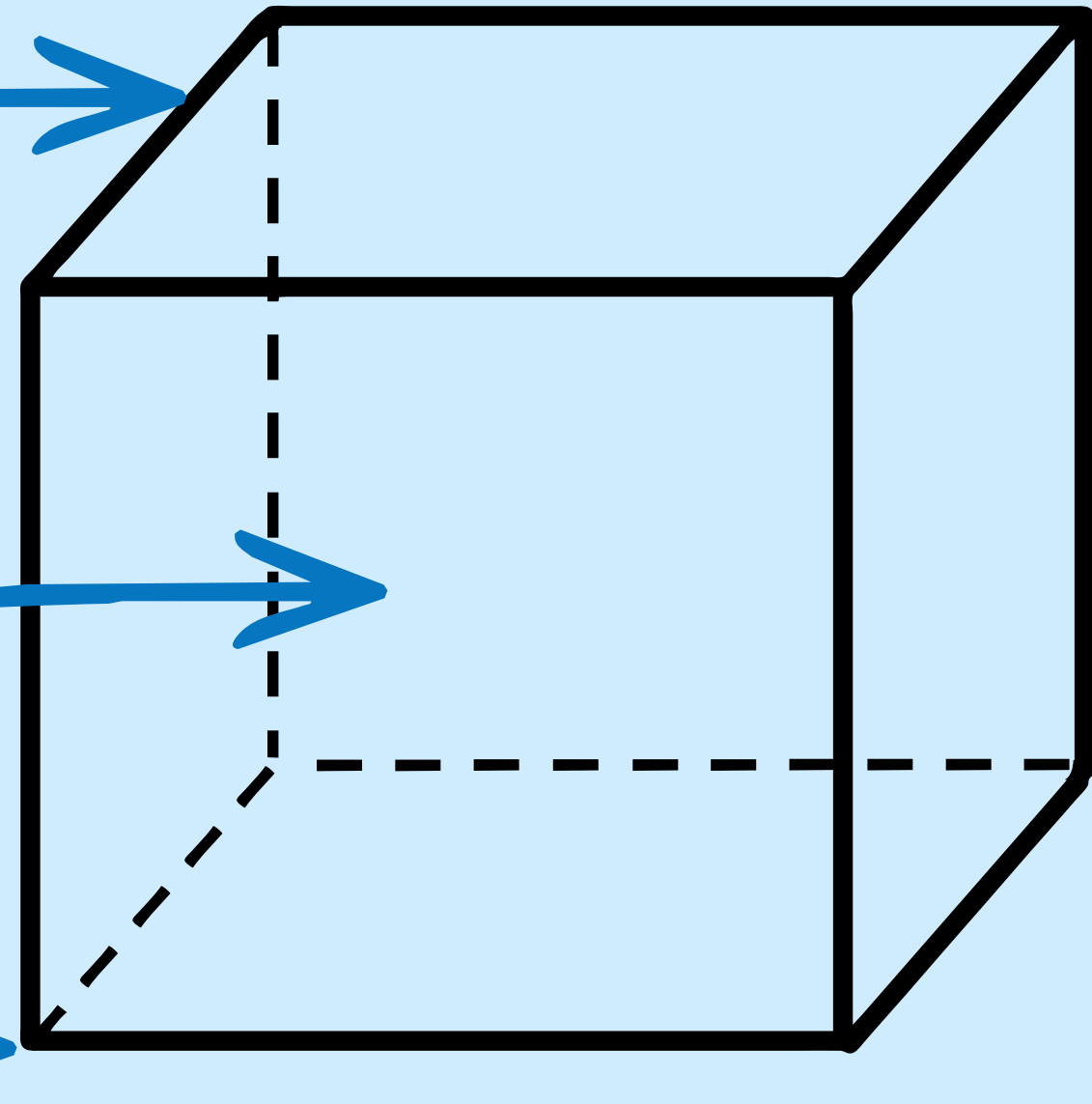
Un polyèdre comporte :

- des faces
- des arêtes
- des sommets

ARETE

FACE

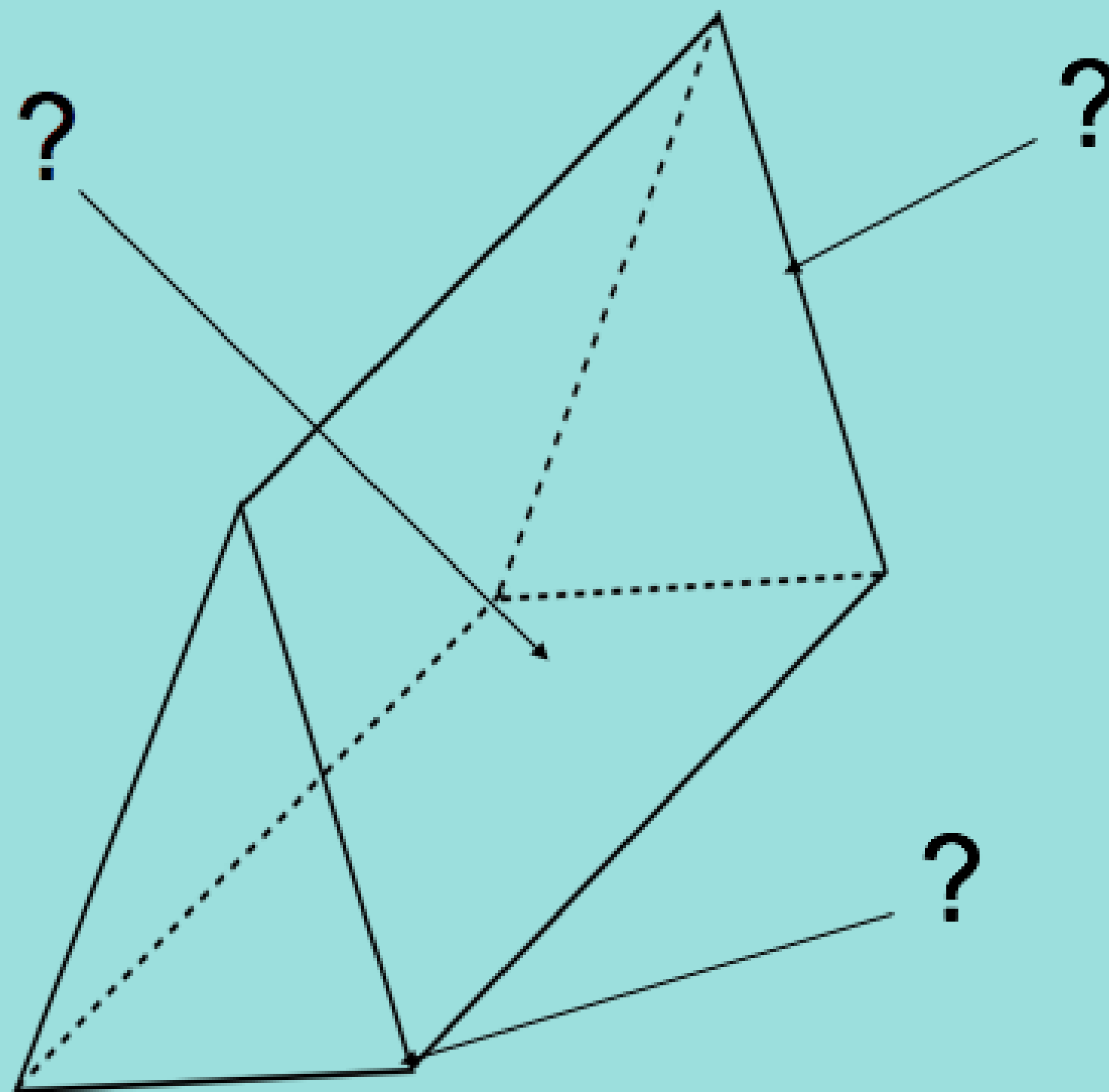
SOMMET





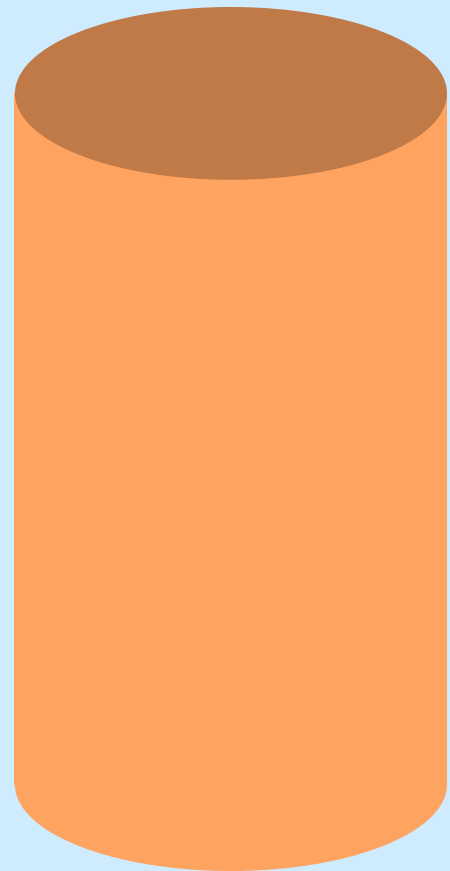
MINI TEST

Complète.





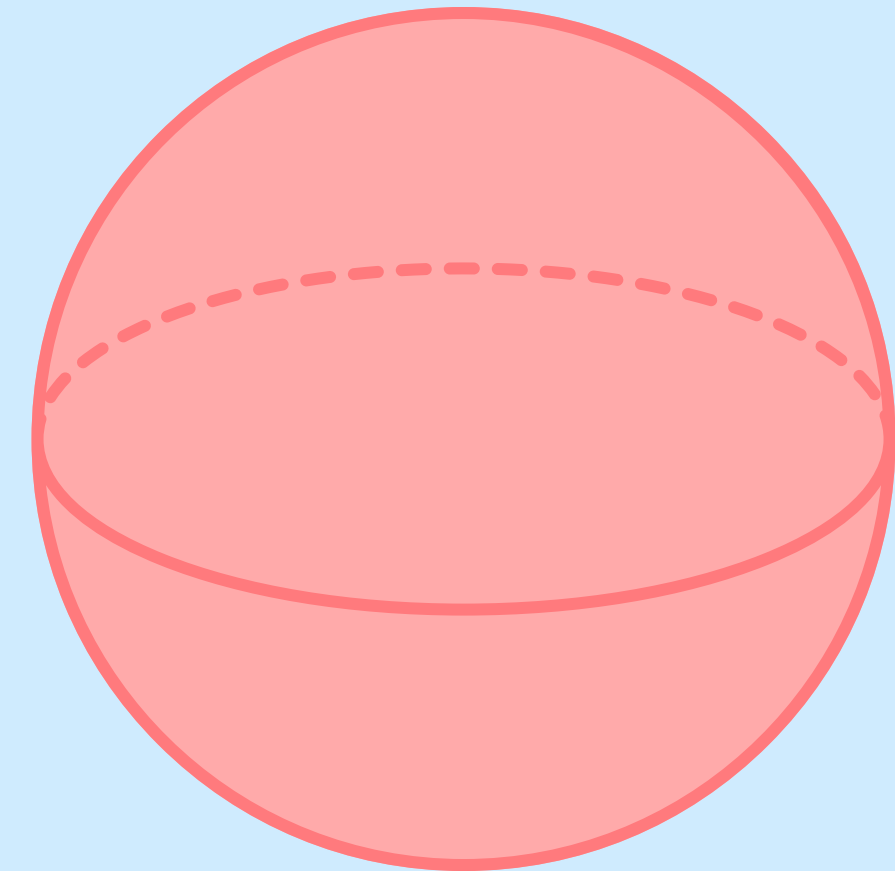
CONNAITRE QUELQUES NON POLYEDRES



Le cylindre



Le cone



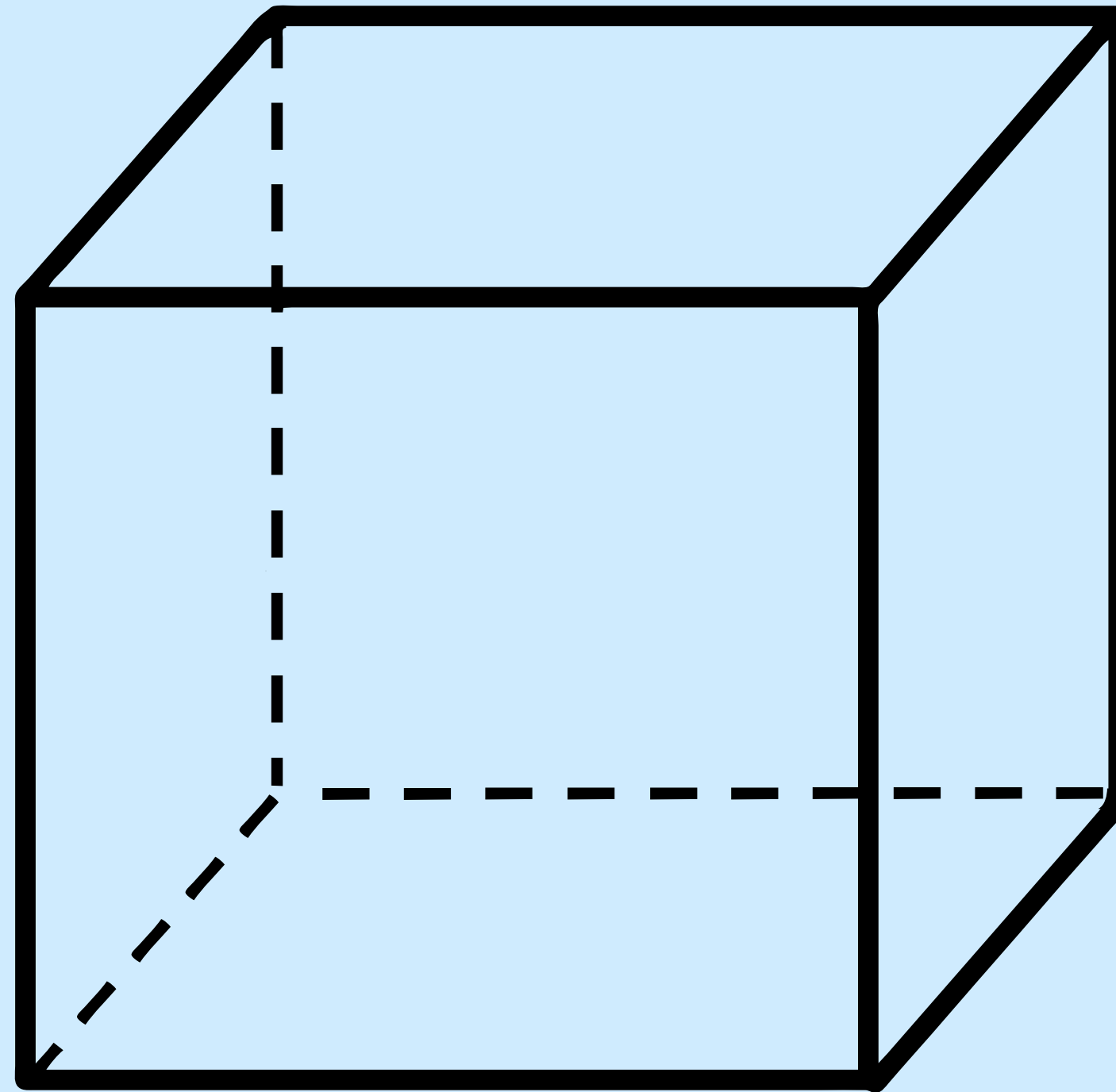
La sphère



CONNAITRE LE CUBE

Le cube comporte

- **6 faces carrées**
- **8 sommets**
- **12 arêtes**

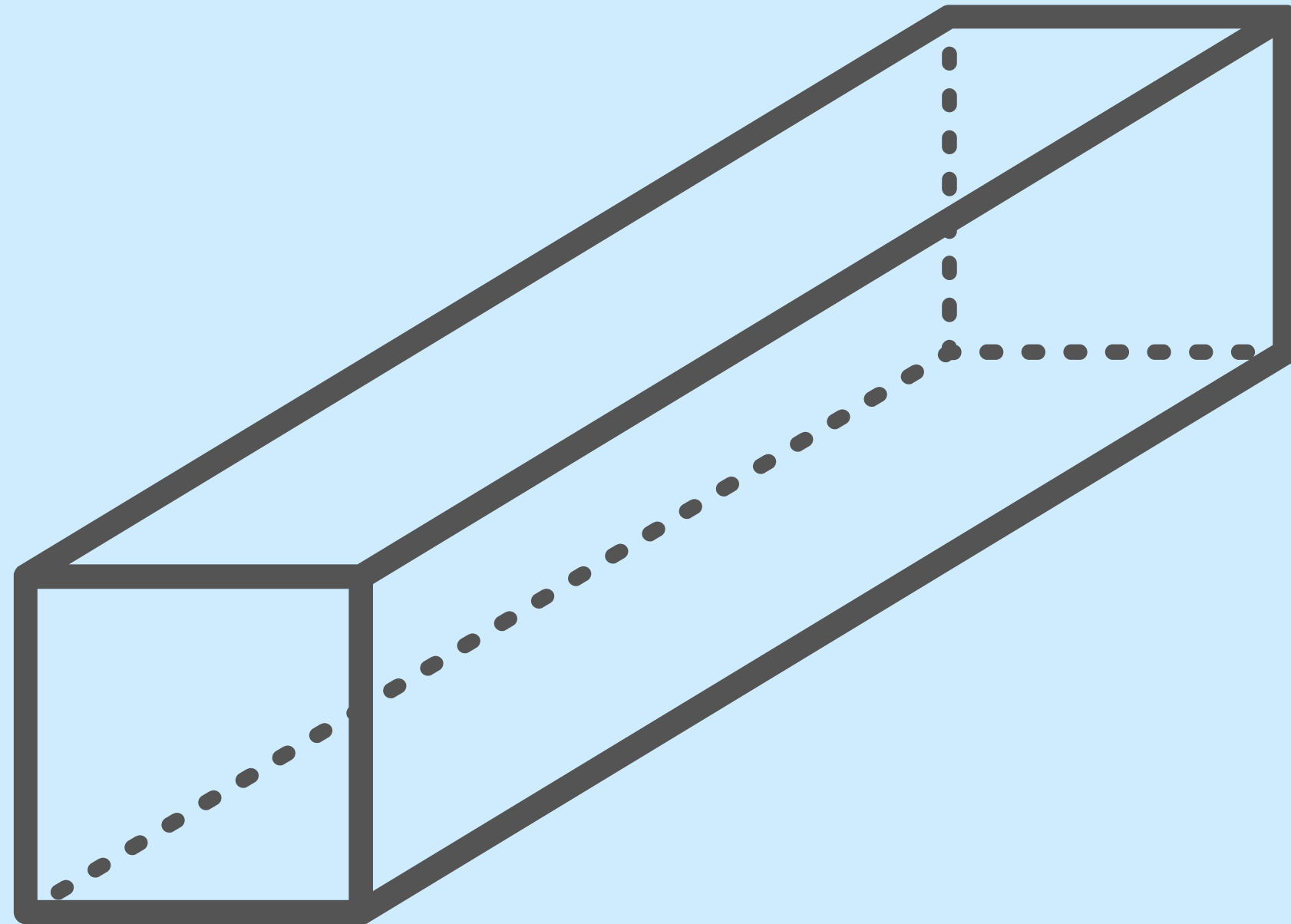




CONNAITRE LE PAVE

Le pavé comporte

- **6 faces rectangulaires**
- **8 sommets**
- **12 arêtes**

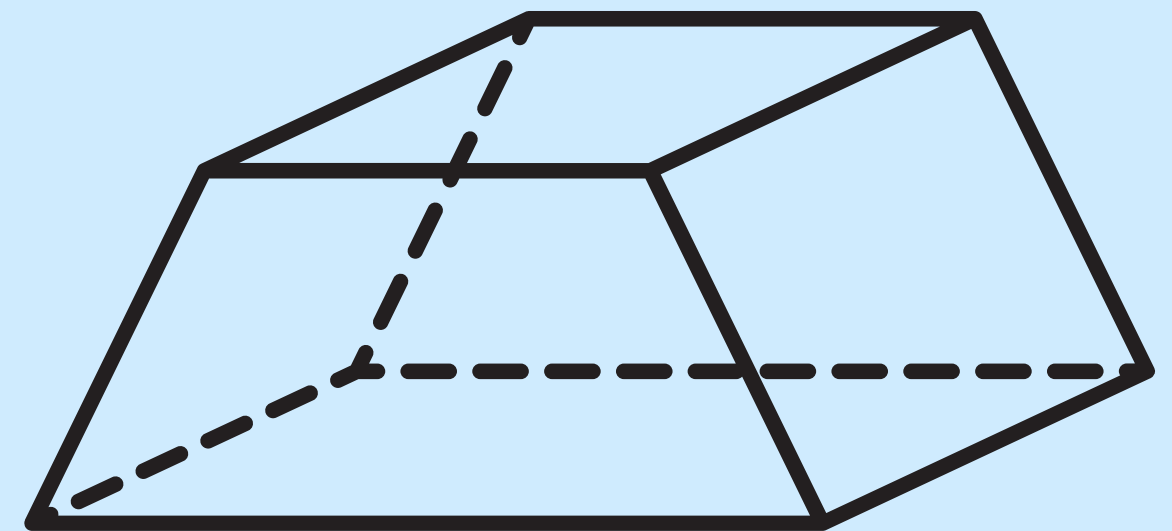
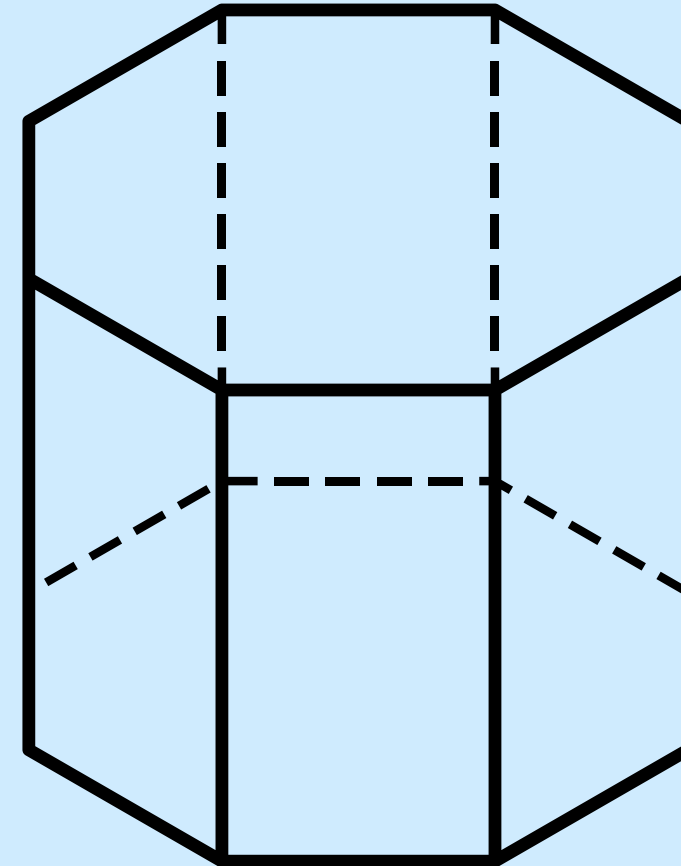
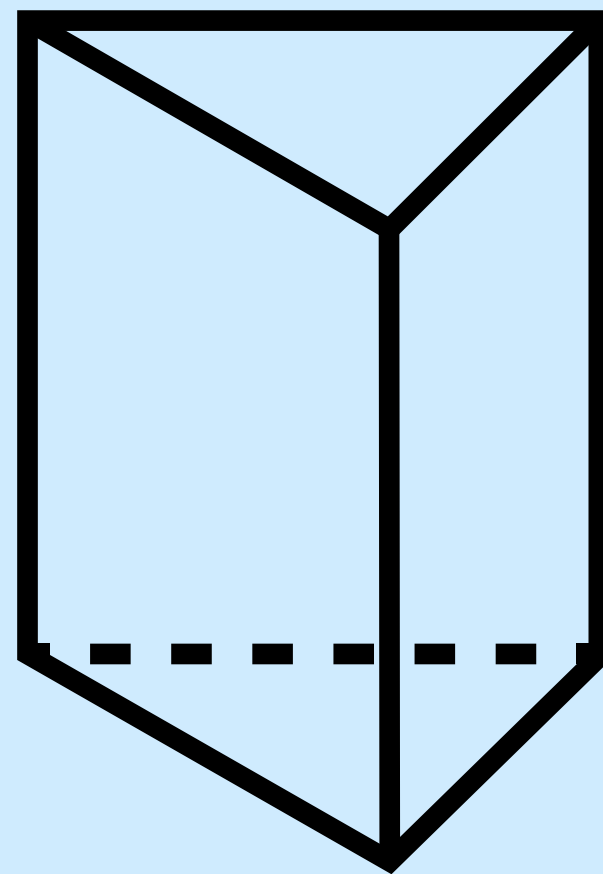




CONNAITRE LE PRISME

Le prisme comporte

- **2 faces opposées qui sont des polygones identiques**
- **les autres faces rectangulaires**





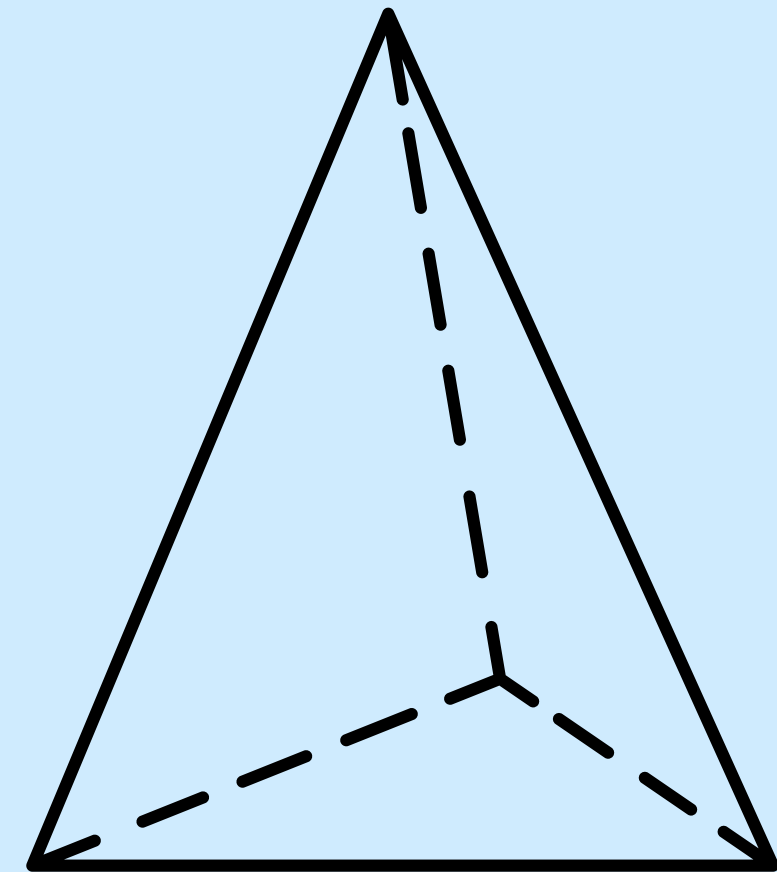
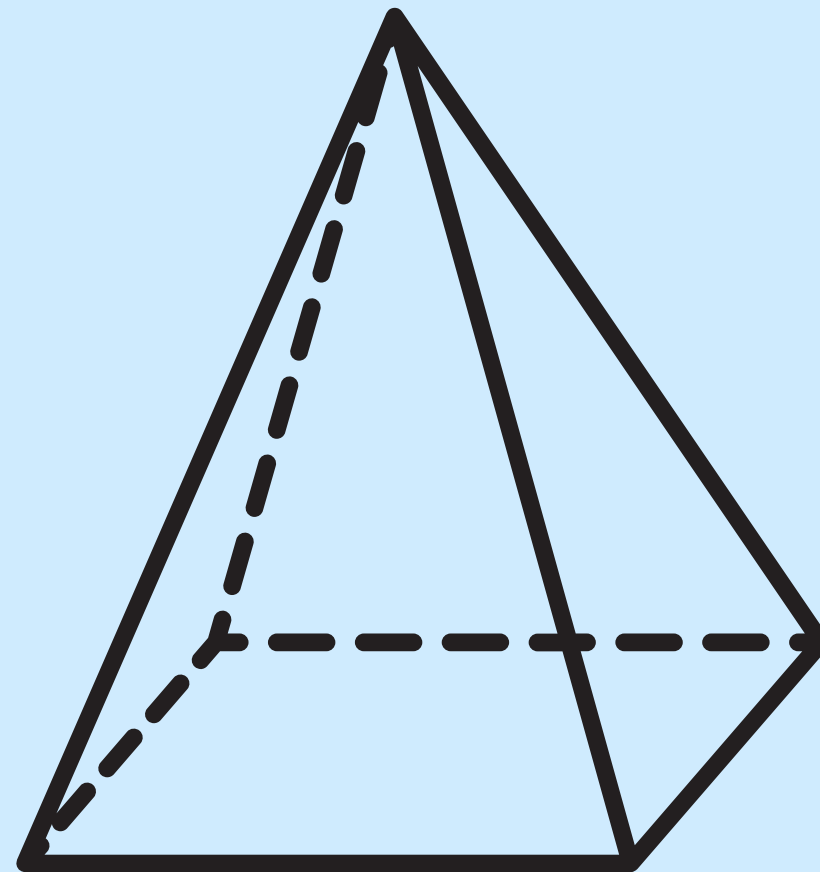
CONNAITRE LA PYRAMIDE

La pyramide comporte

- **toutes ses faces triangulaires**

OU

- **toutes ses faces sauf une triangulaires**

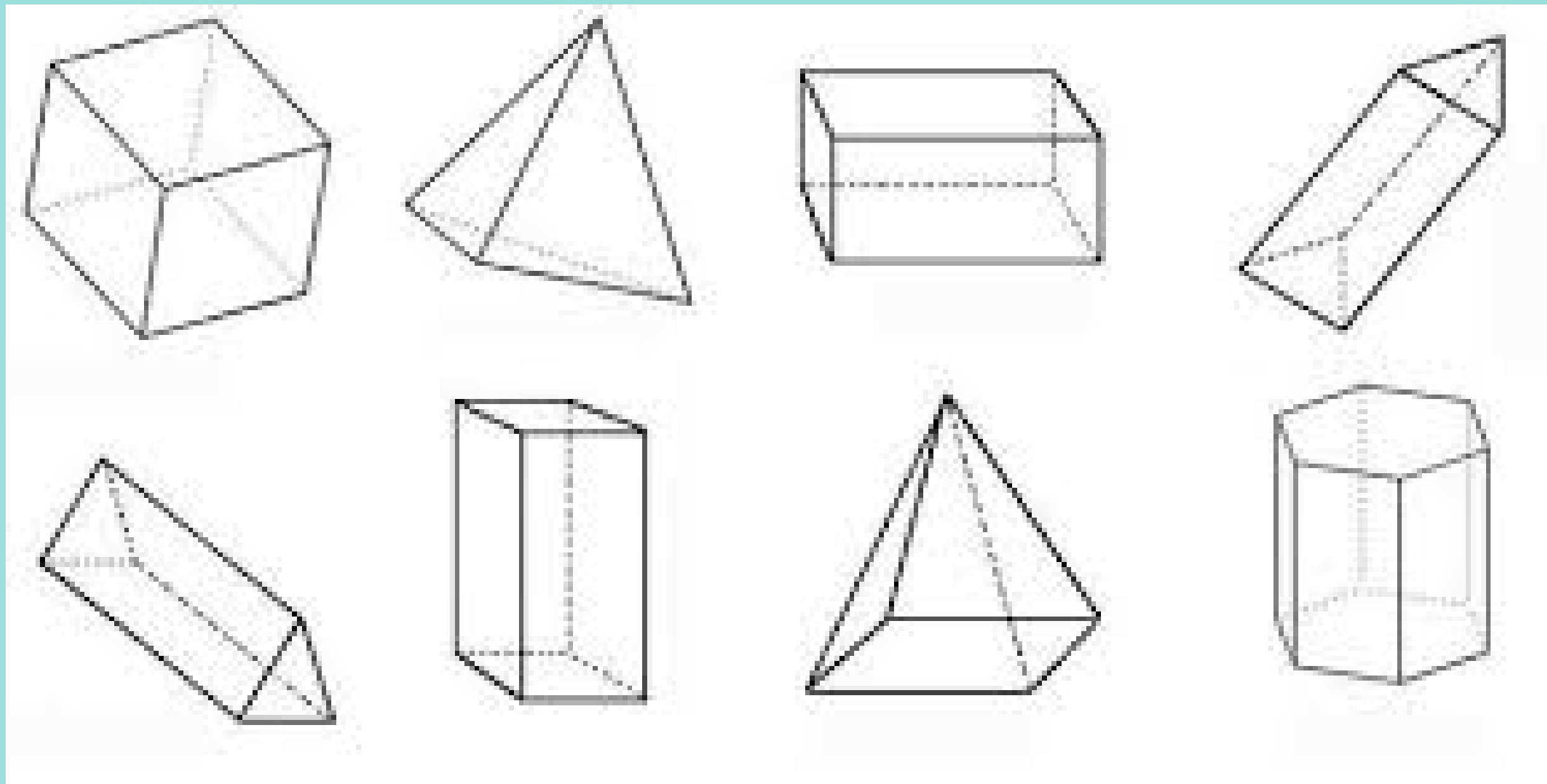




Test

MINI TEST

Identifie les solides

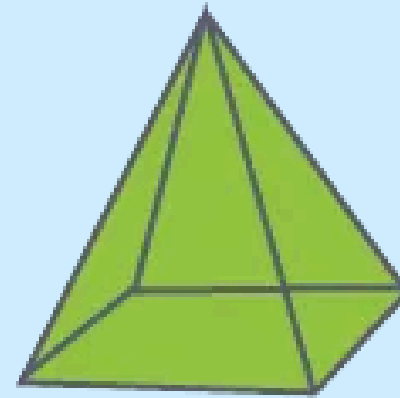




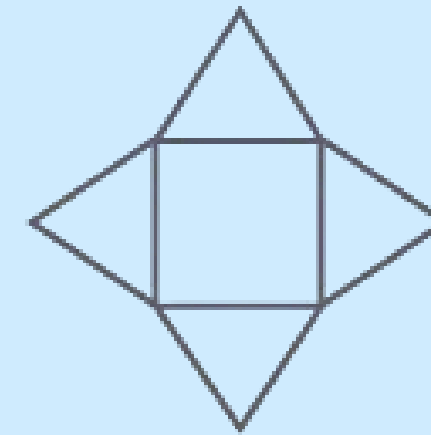
LES PATRONS DE SOLIDE

Pour construire un solide on trace un patron qui reproduit l'ensemble des faces du solide.

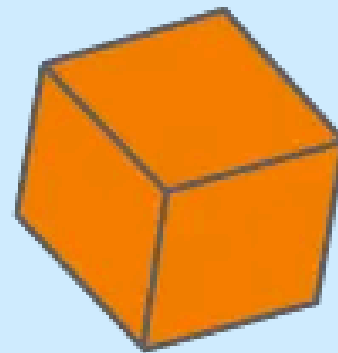
La pyramide



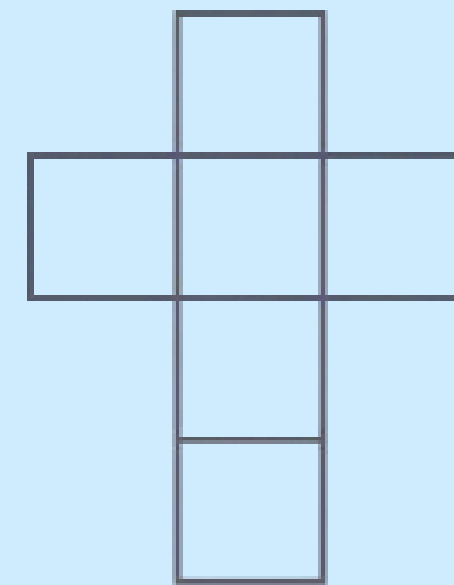
Patron d'une pyramide



Le cube



Patron du cube

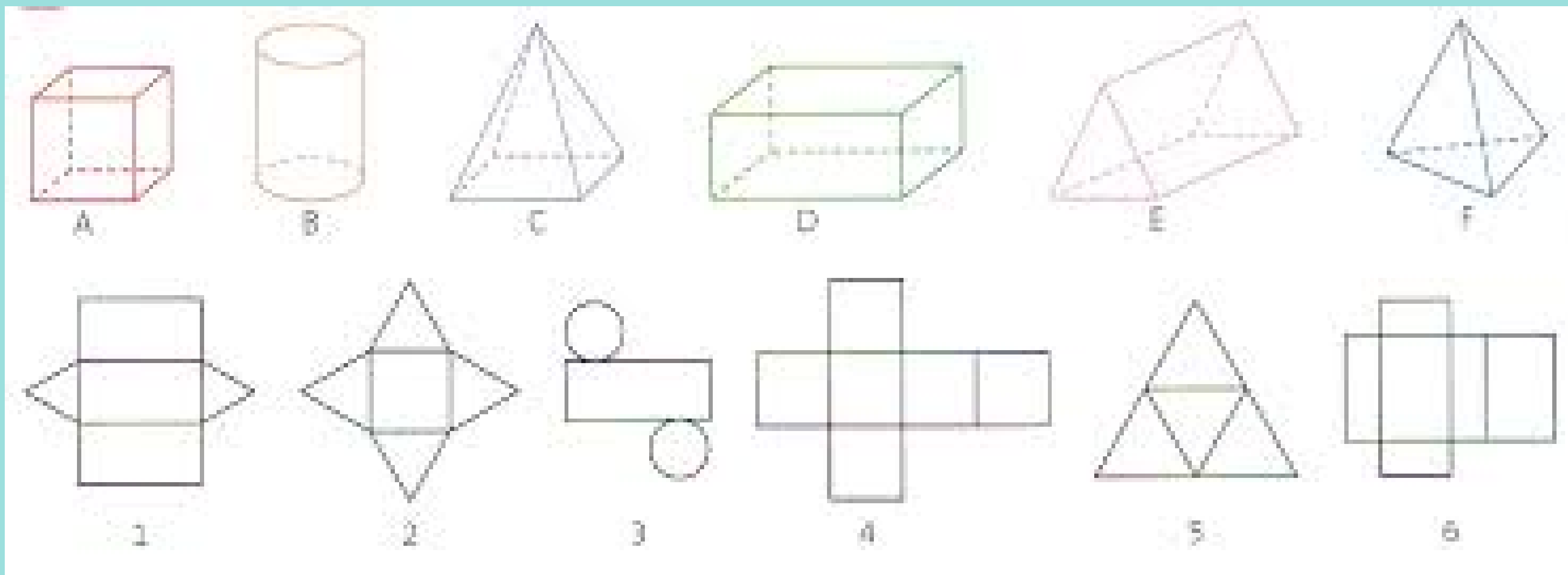




Test

MINI TEST

Associe chaque solide et son patron.





L'ESSENTIEL À RETENIR

