Pour ce TP, les informations, questions et actions à réalisées sont dans des bulles.

Ce type de bulles permettent de donner une information ou poser une question, a laquelle il faut répondre.

Ce type de bulles donnent une action à réaliser sur le logiciel SolidWorks.

Une batterie automobile, ou batterie SLI (pour « starting-lighting-ignition »), est un accumulateur électrique permettant de fournir de l'énergie électrique à un véhicule automobile. Wikipedia



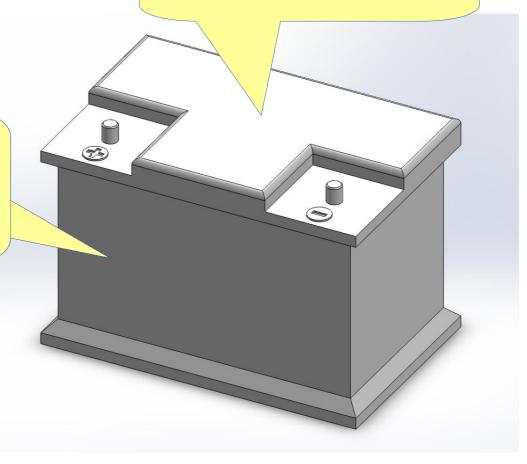


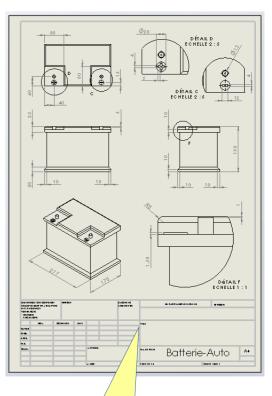
Utiliser SolidWorks pour dessiner une batterie en 3D...

MODÉLISER



Proposer une solution pour y ajouter une poignée.

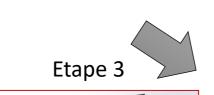


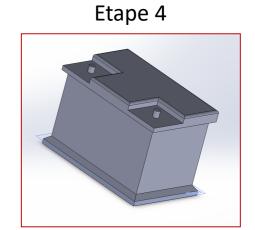


...à partir d'un plan avec toutes les cotes.

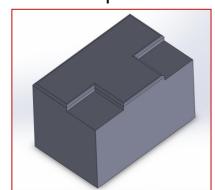
ANALYSER

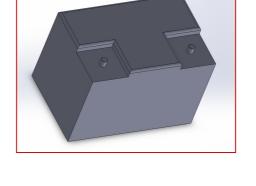


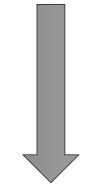




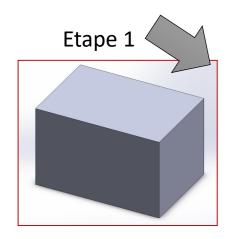


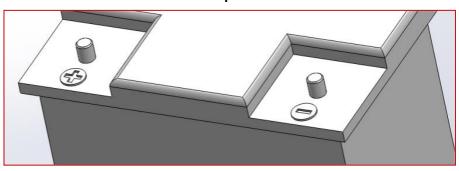


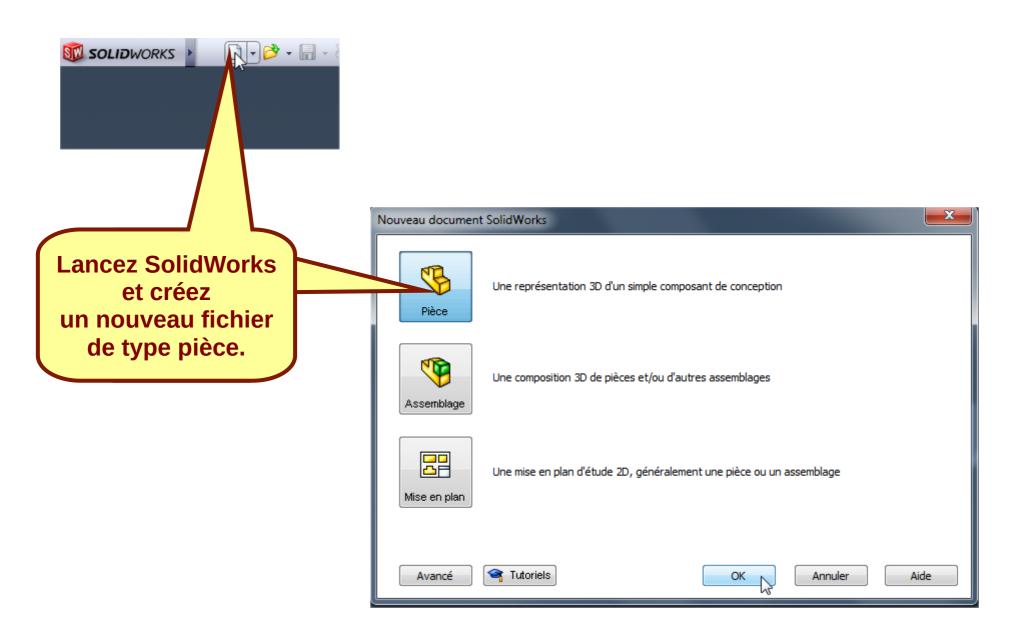


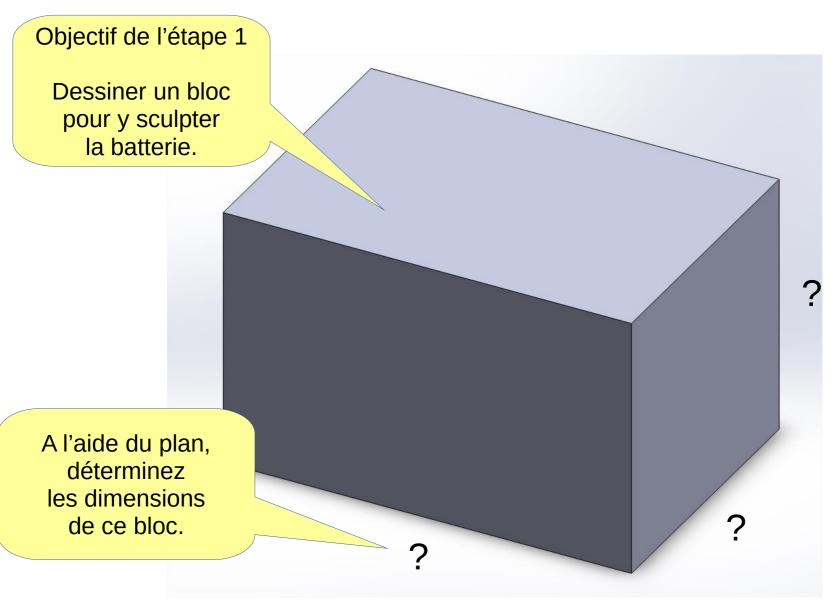


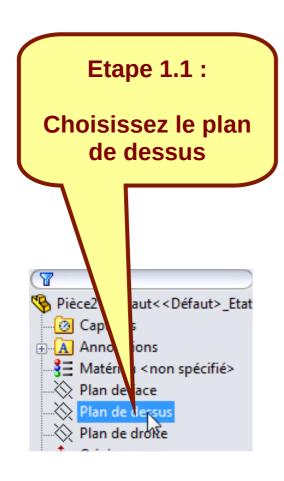
Etape 5



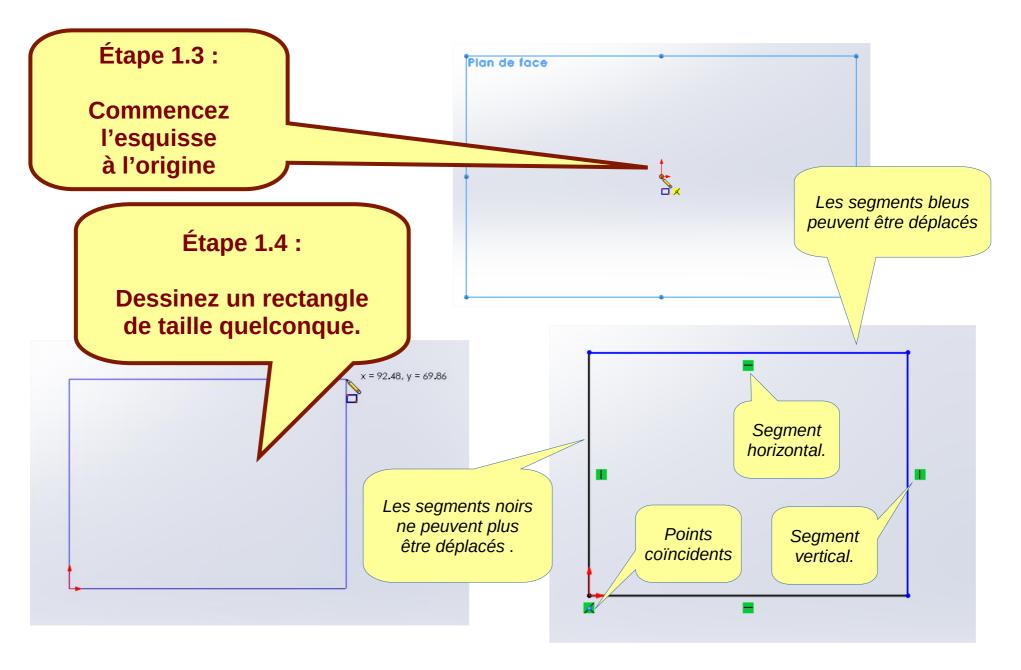


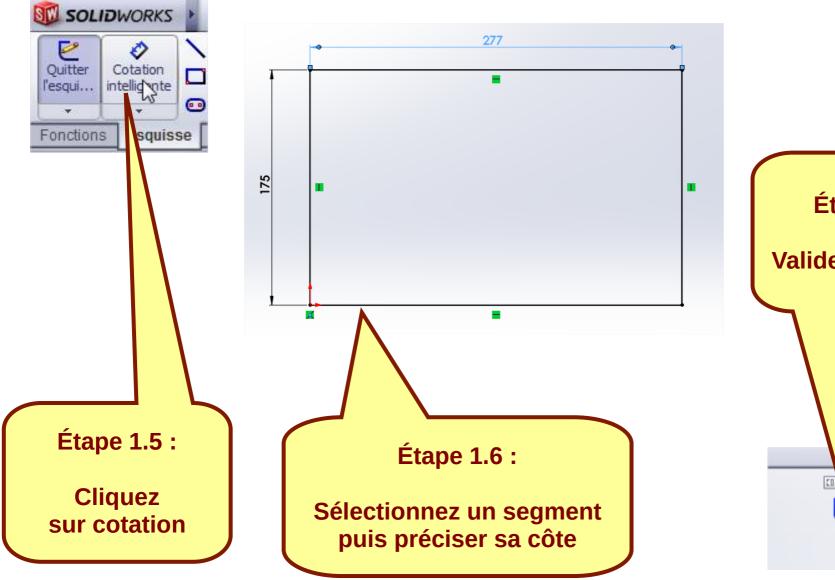






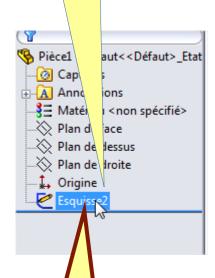








L'esquisse apparaît dans l'arbre de création

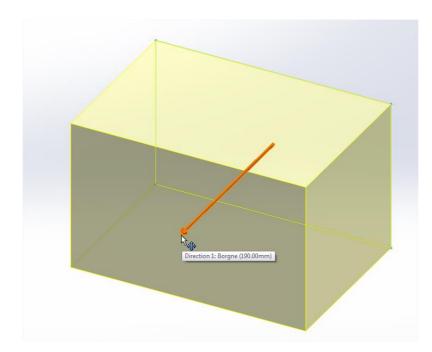


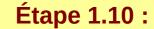
Étape 1.8 :

Sélectionnez l'esquisse dessinée Étape 1.9 :

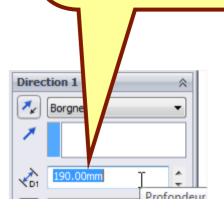
Bossage pour ajouter du volume

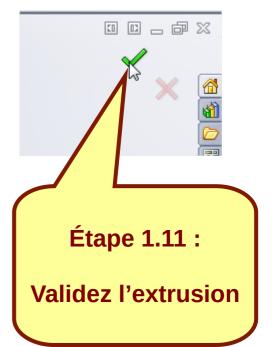




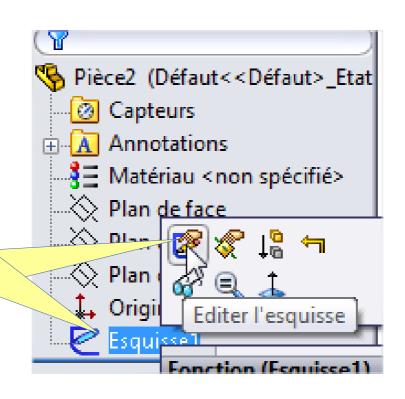


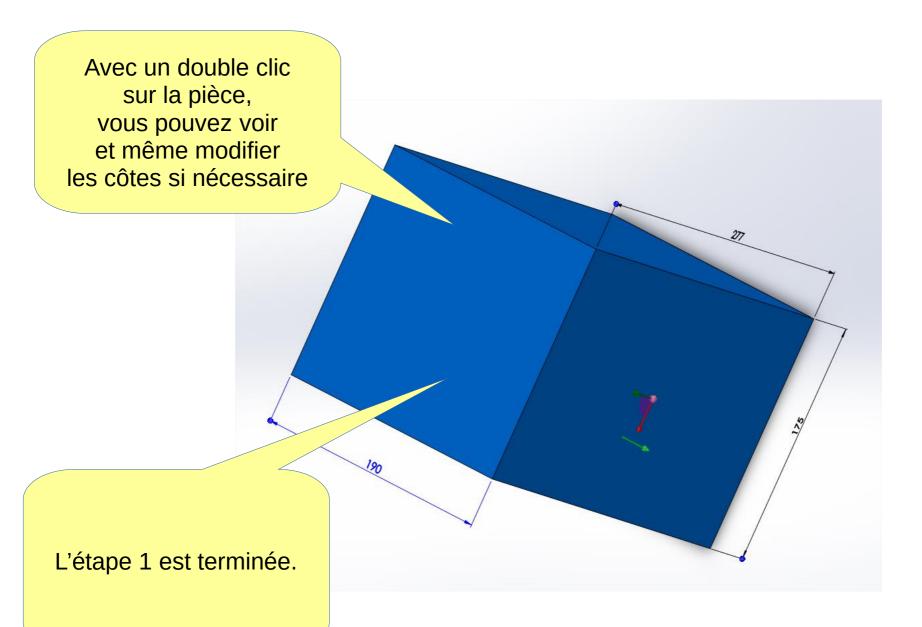
Précisez la hauteur de la batterie

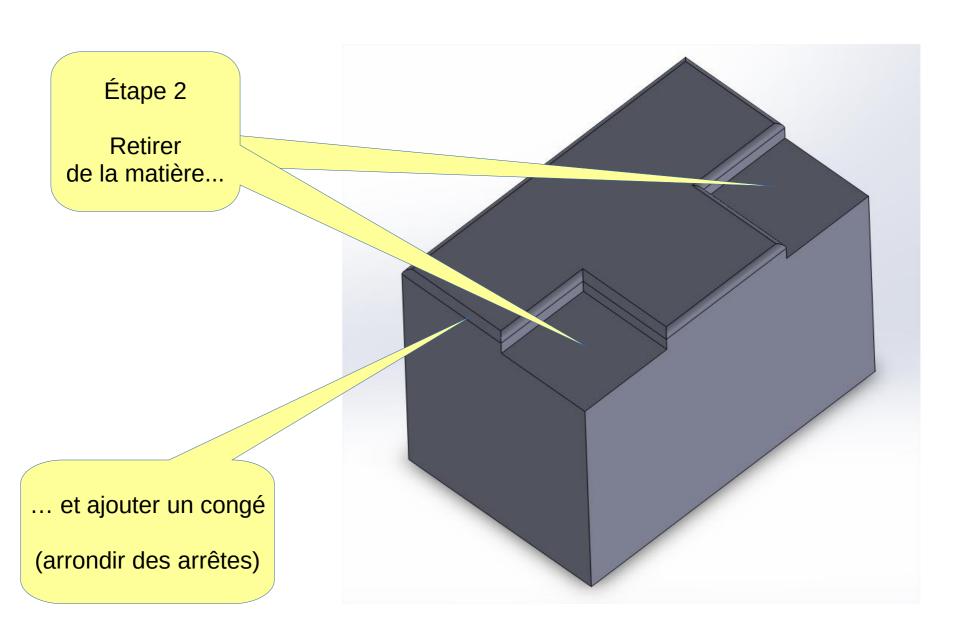


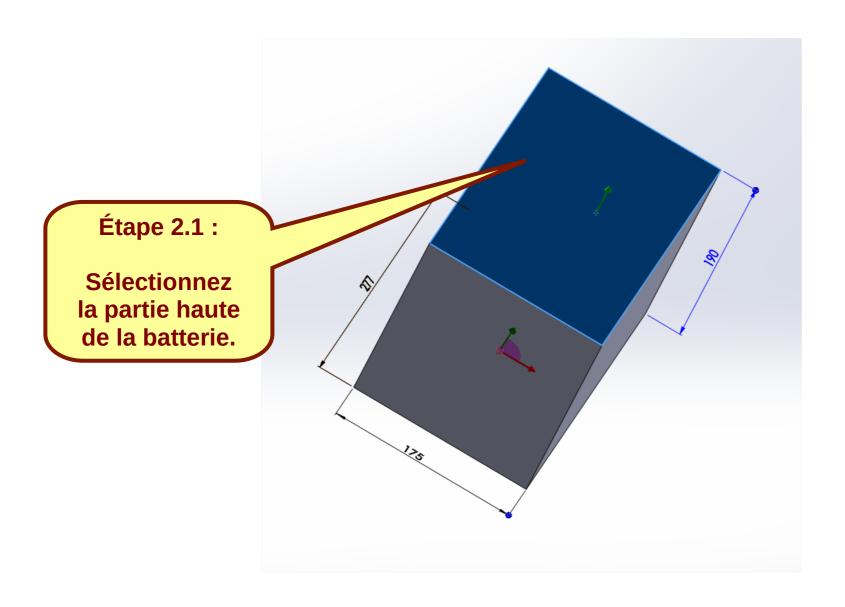


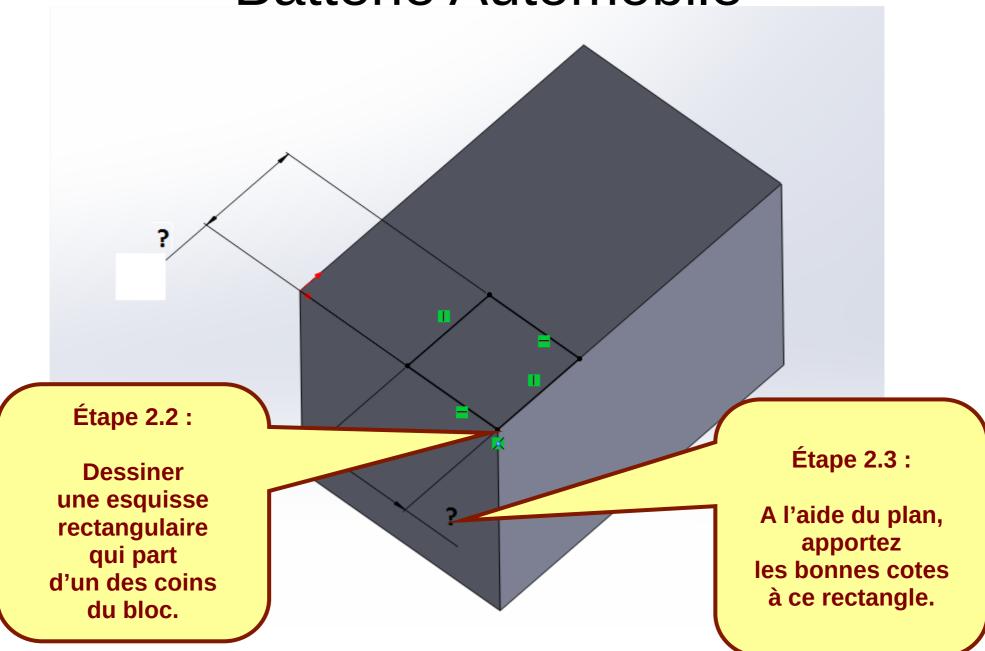
Vous pouvez utiliser le clique gauche, pour éditer et modifier un objet de l'arbre de création.

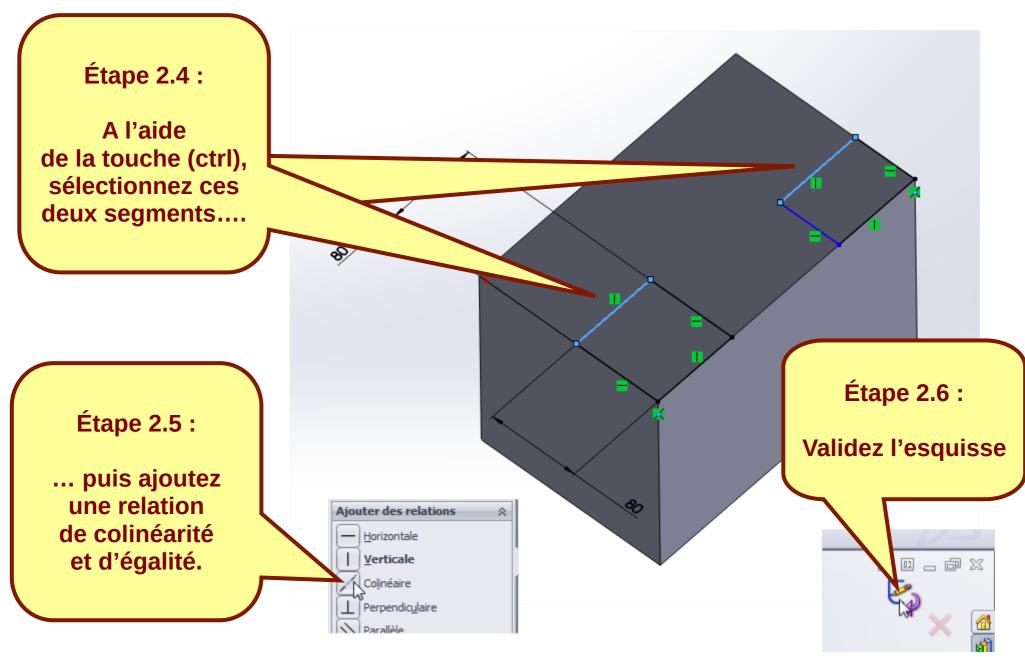


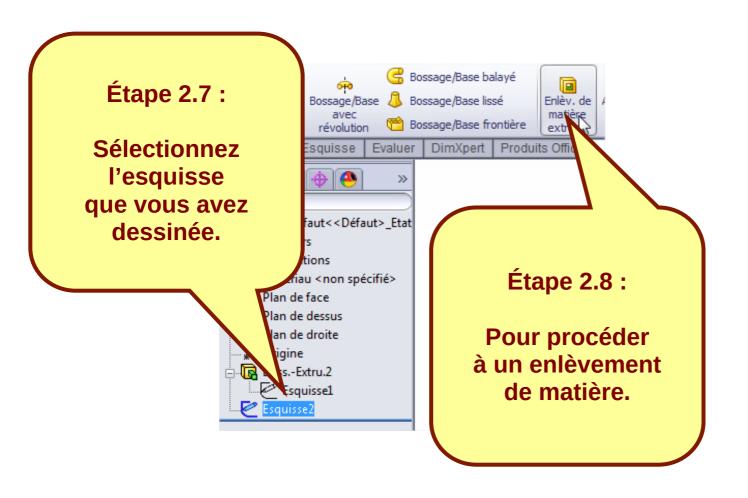


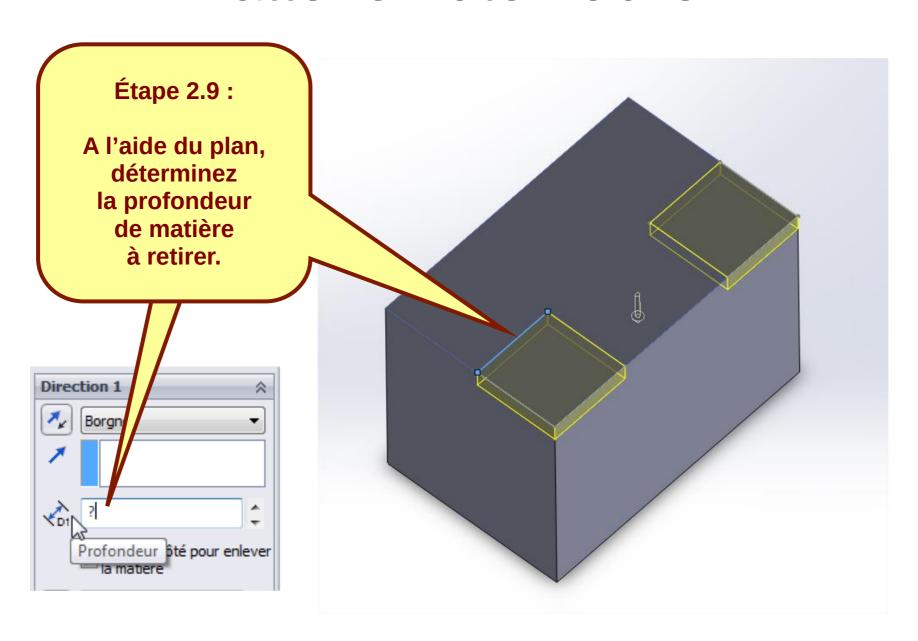


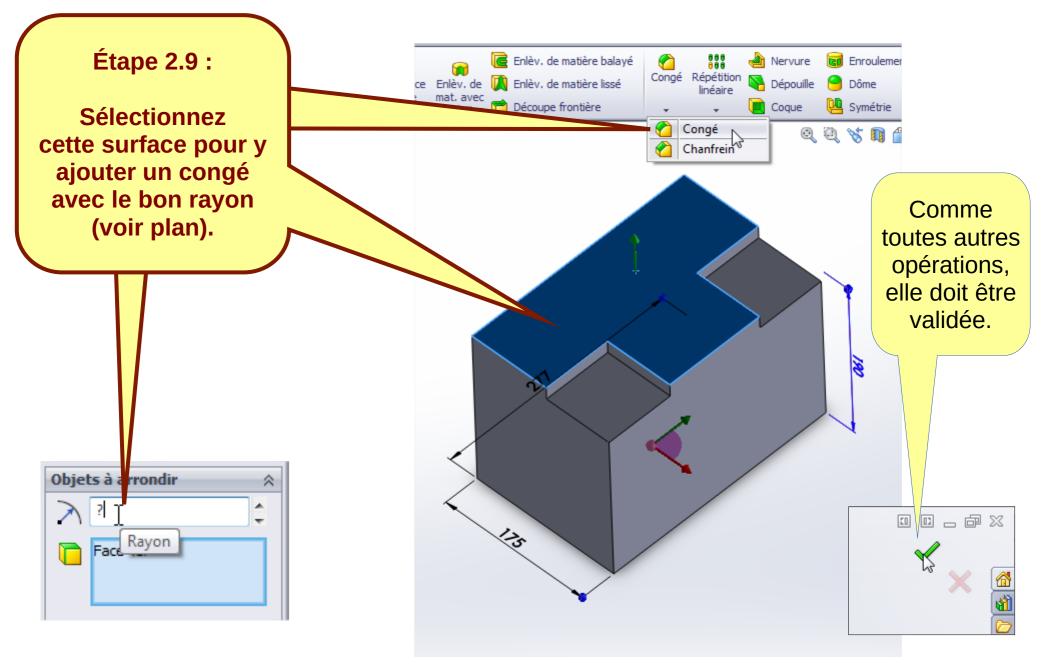


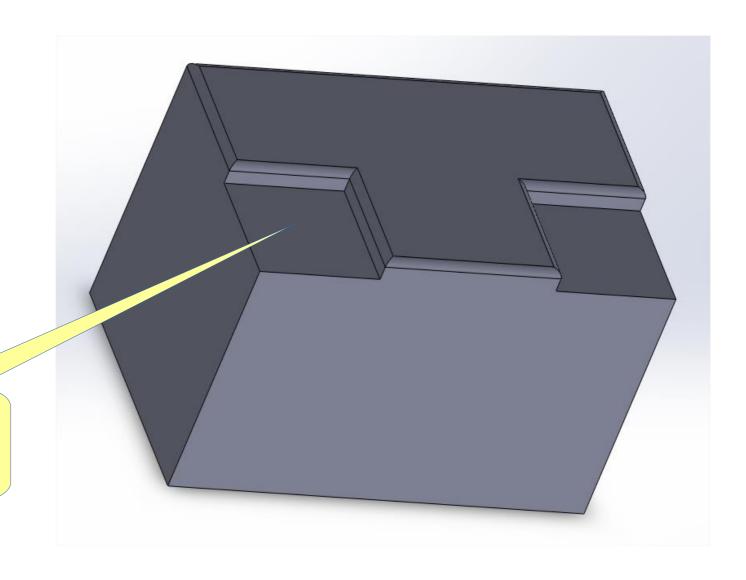




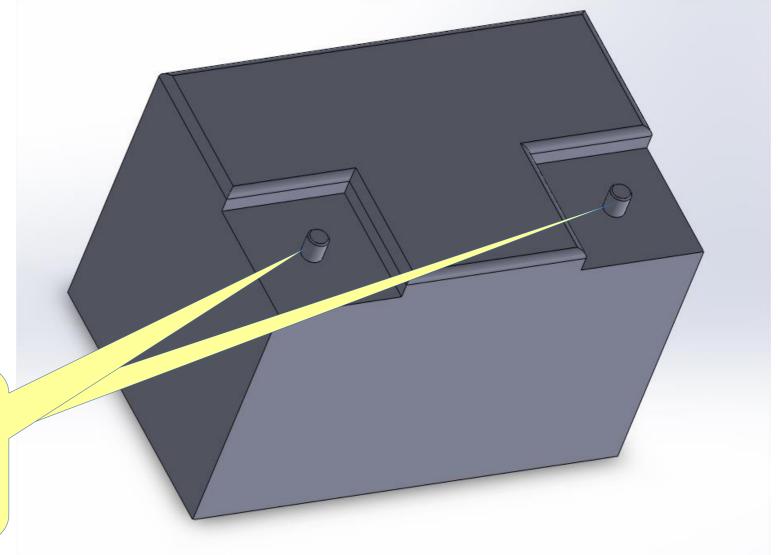






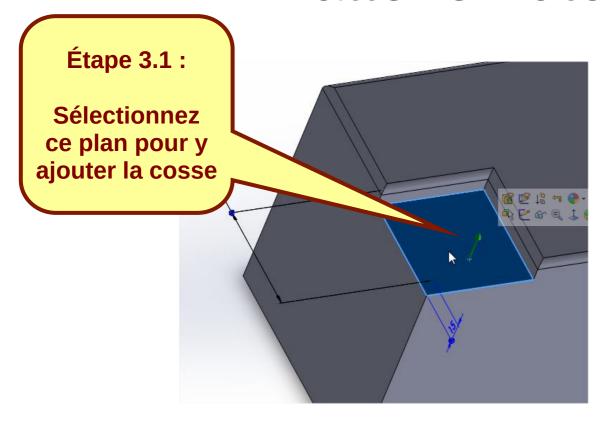


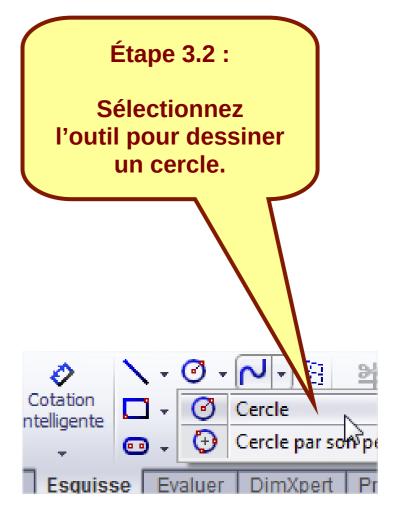
L'étape 2 est terminée.



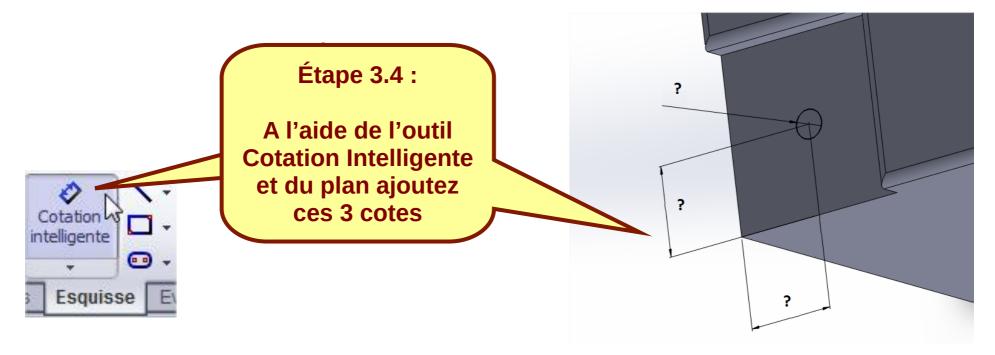
Objectif de l'étape 3

Ajouter les cosses



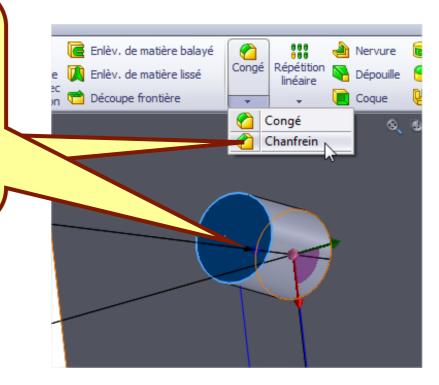


Dessinez un cercle de taille quelconque Etape 3.3: Batterie Automobile

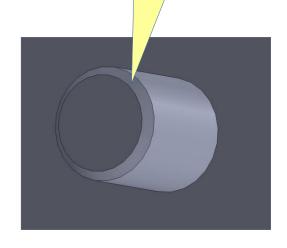


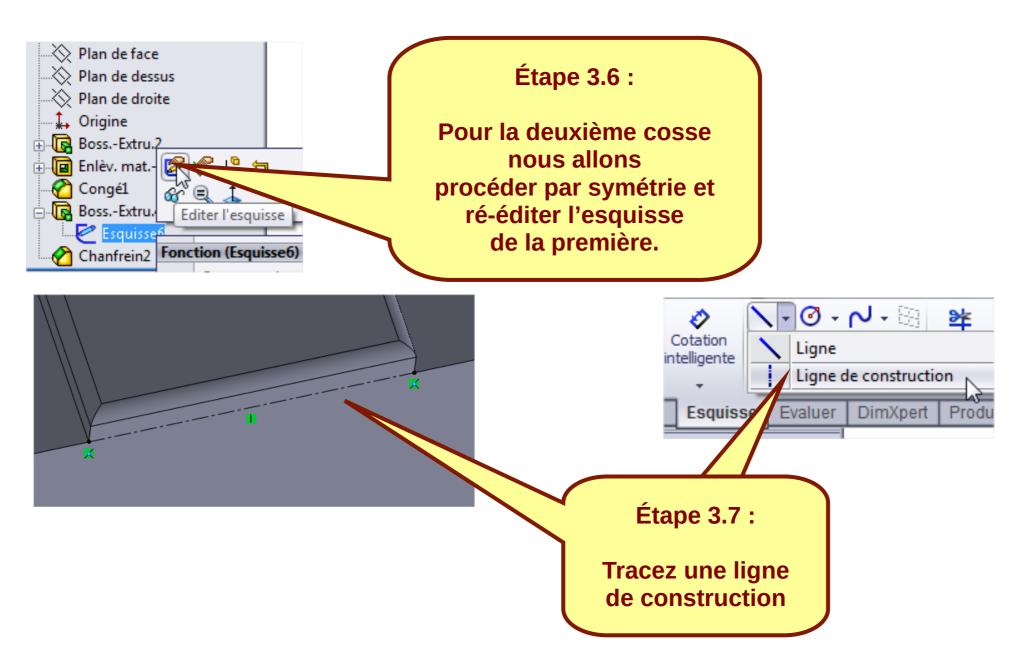
Étape 3.5 :

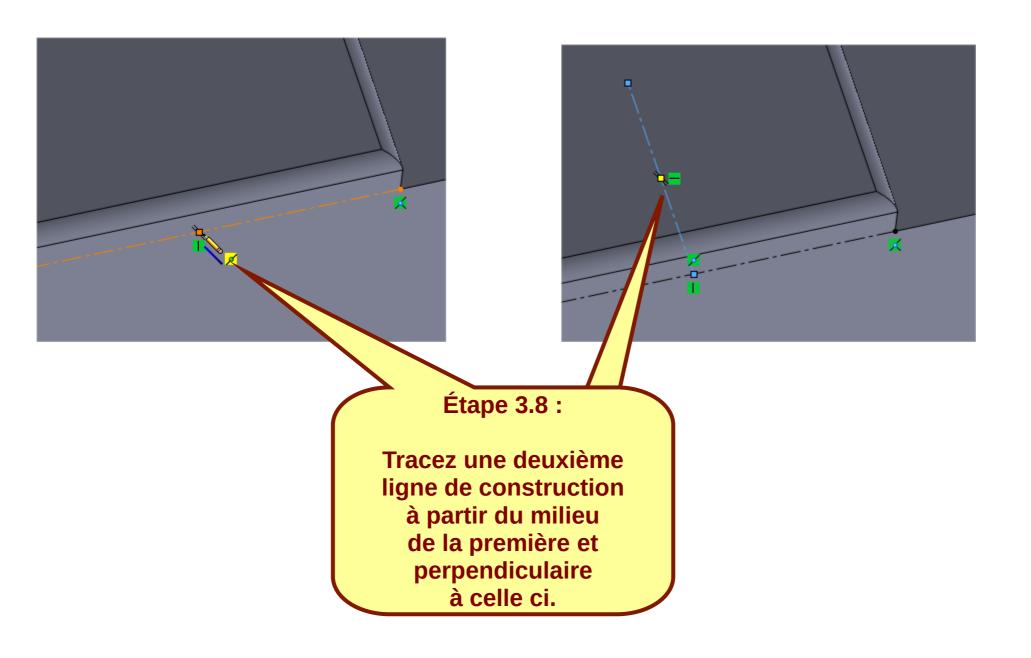
Sélectionnez cette surface pour y ajouter un Chanfein



N'oubliez pas de préciser la taille du chanfrein avant de valider.



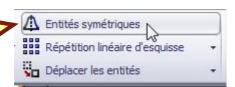




Étape 3.9:

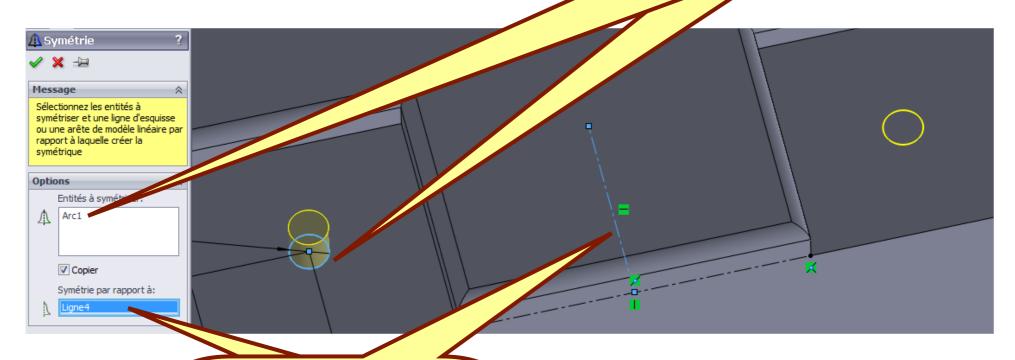
Cliquez sur l'outil Entités symétriques.

Batterie Automobile



Étape 3.10 :

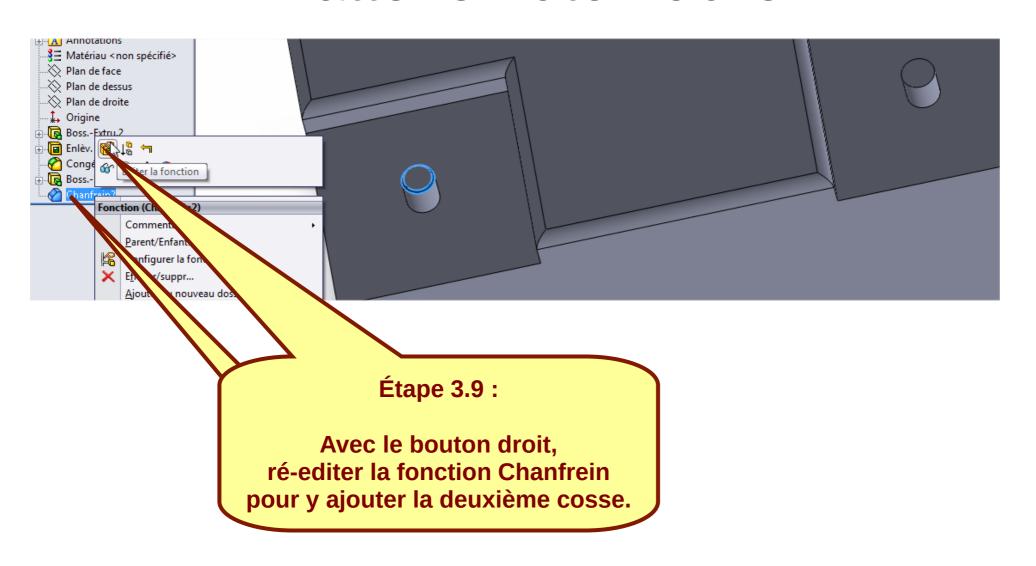
Sélectionner le cercle à symétriser...

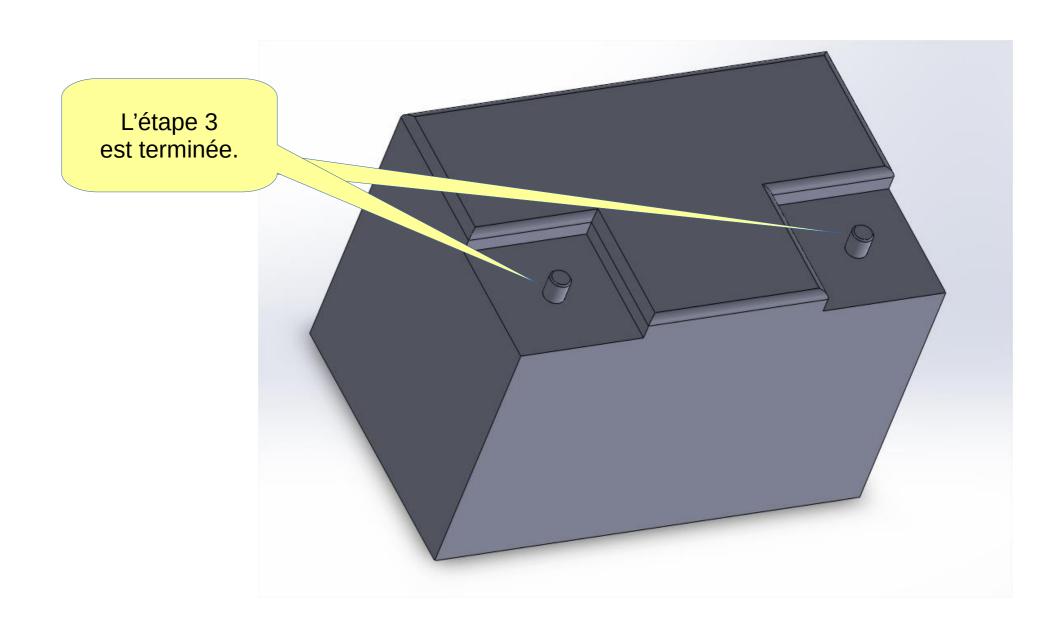


Étape 3.11 :

...l'axe de symétrie, puis validez.

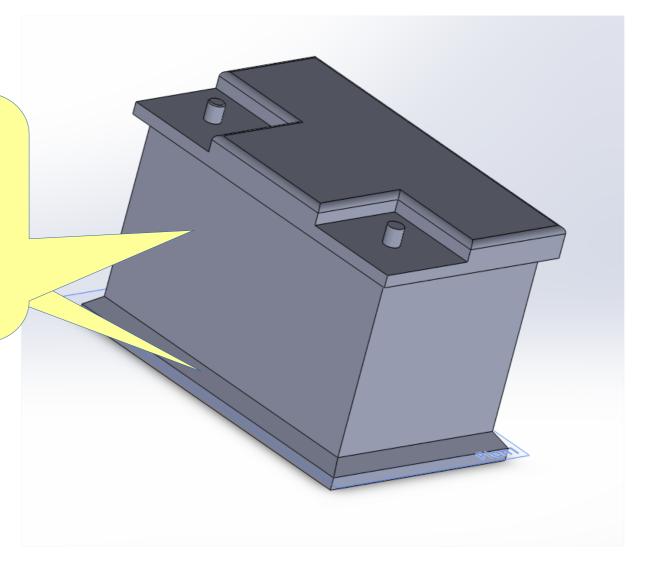


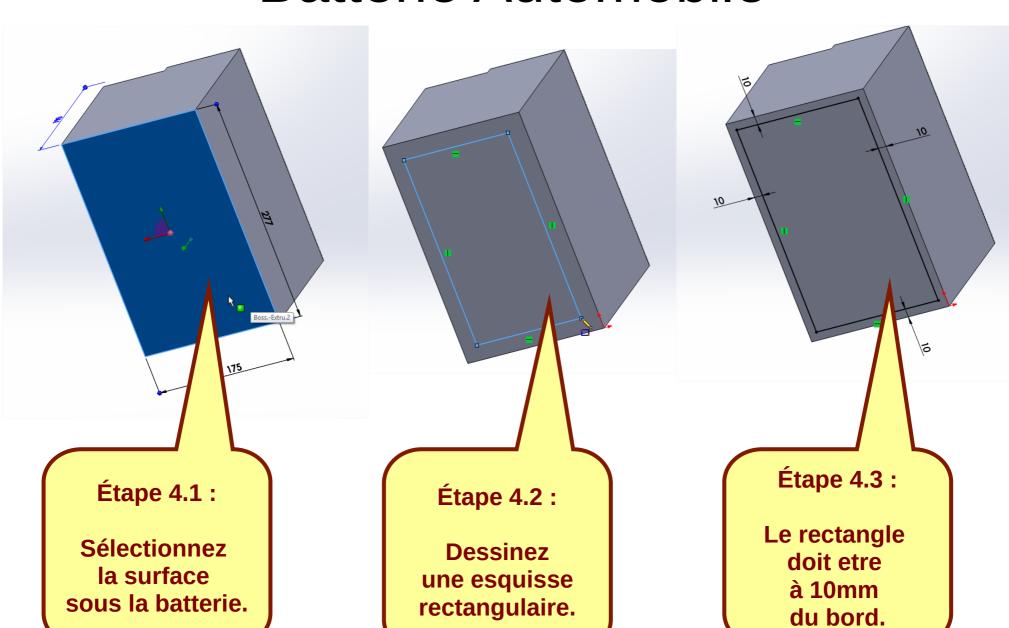




Objectif de l'étape 4

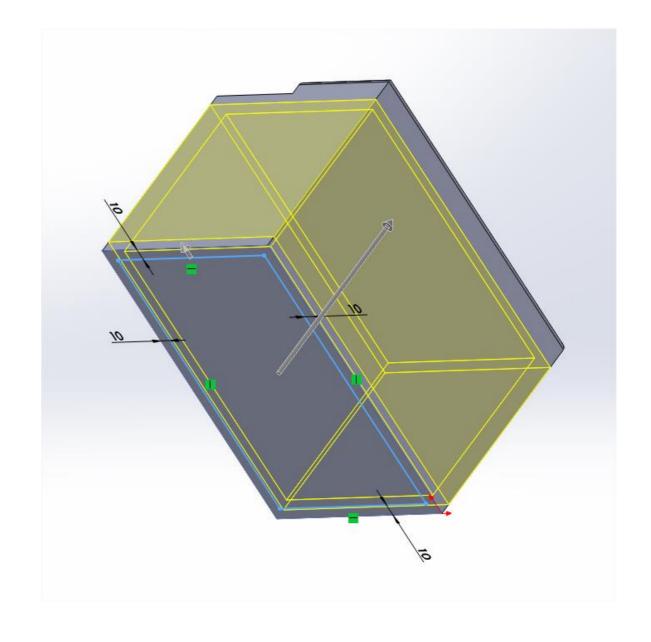
Retirer de la matière tout autour de la batterie et ajouter un Chanfrein

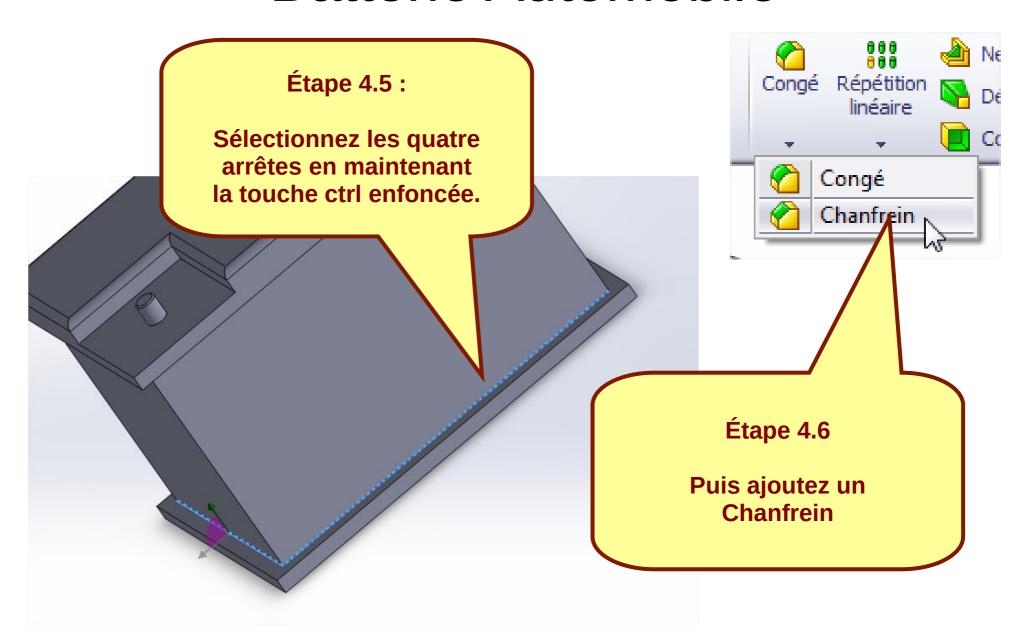


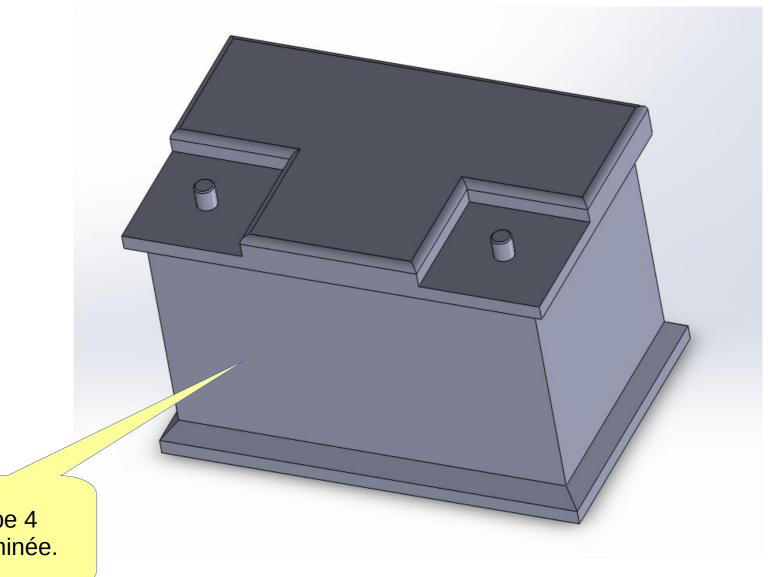


Étape 4.4 : Retirer la matière comme ci-dessous: 🔳 Enlèv. mat.-Ex De Décalage 10.00mm Direction 1 Borgne 155.00mm

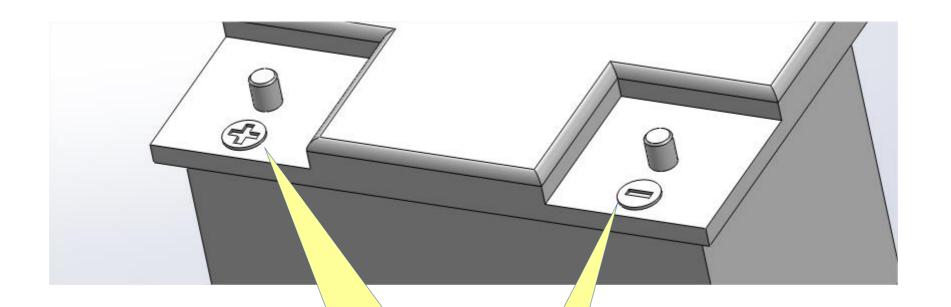
Basculer côté pour enlever la matière







L'étape 4 est terminée.



Pour l'étape 5, il ne vous reste plus qu'à ajouter les signes de polarité, en respectant le plan fourni.