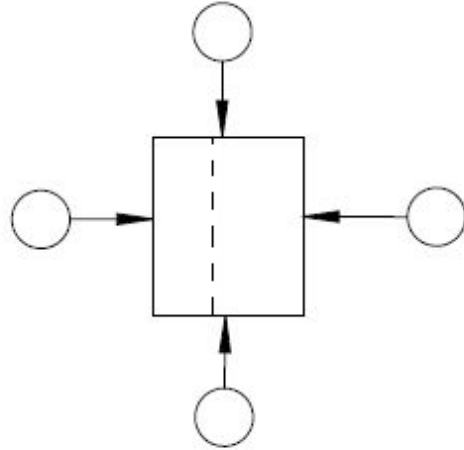
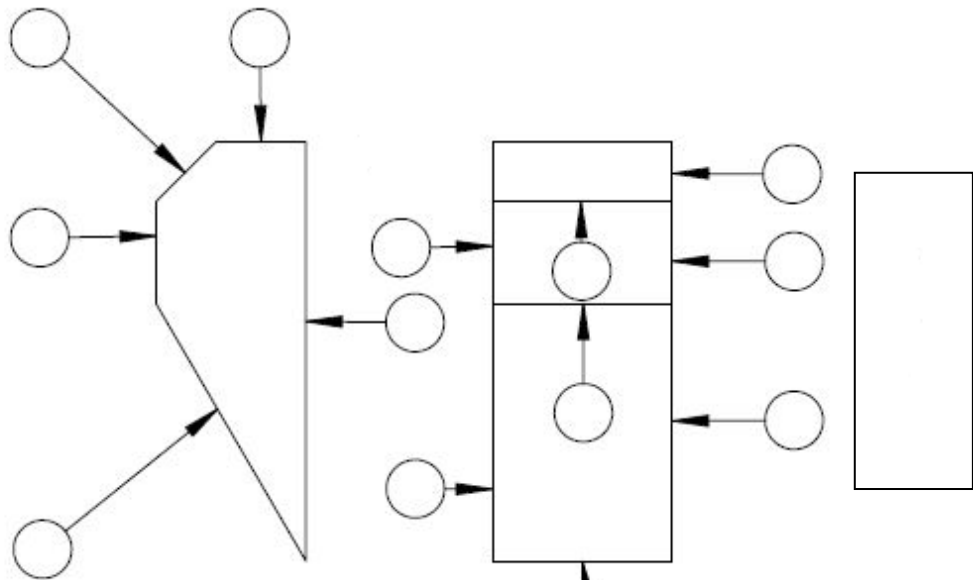
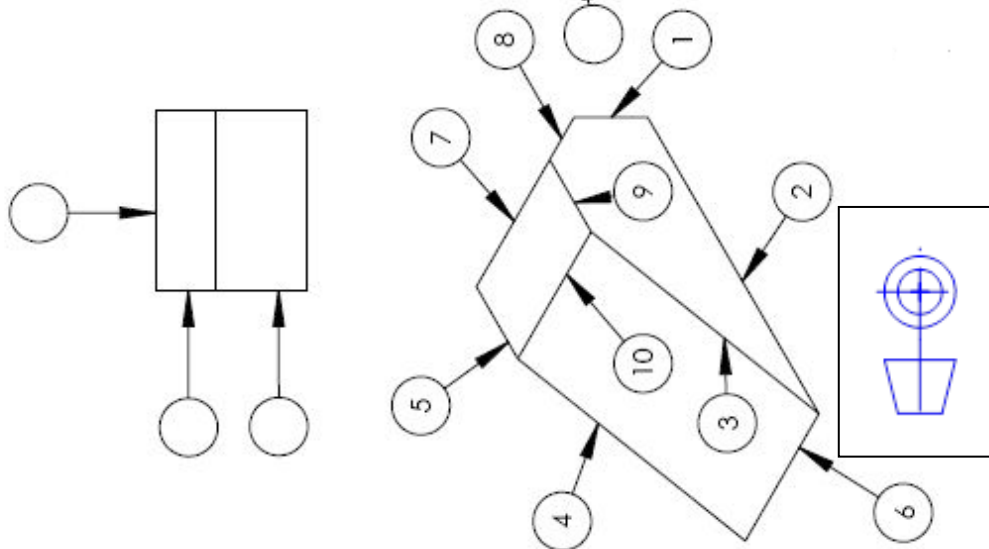


1) Exercice 1

Retrouver le numéro des arêtes et nommer les vues



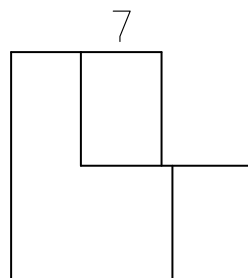
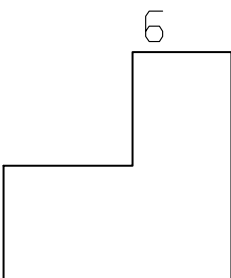
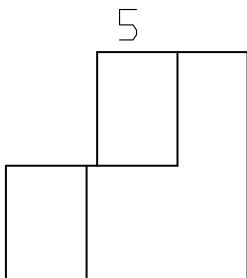
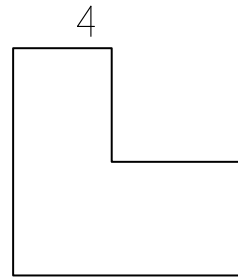
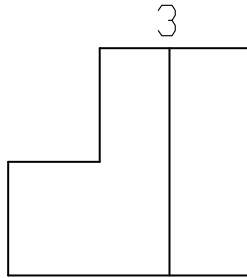
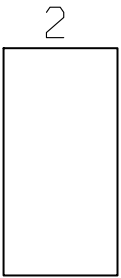
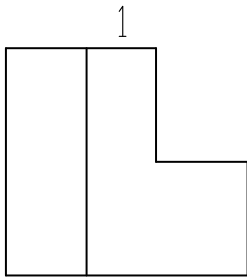
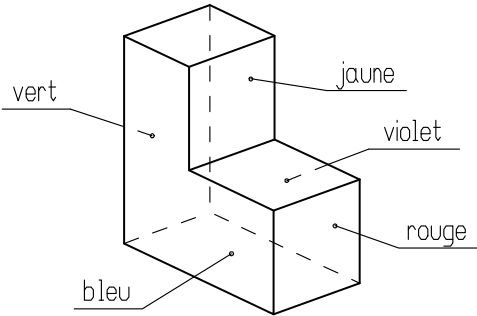




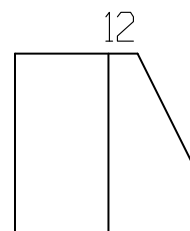
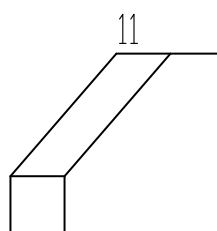
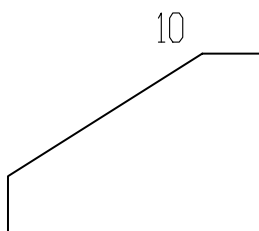
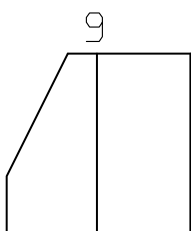
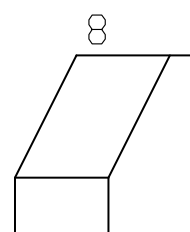
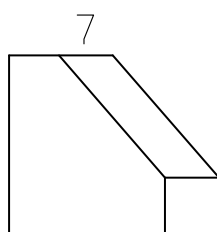
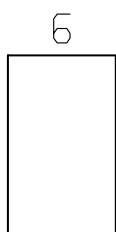
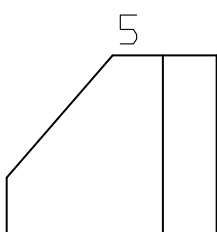
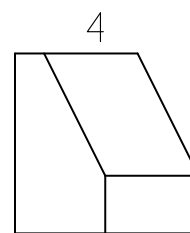
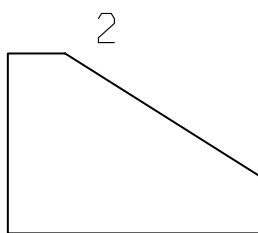
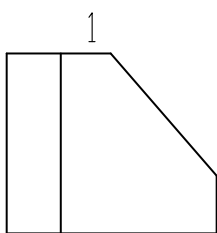
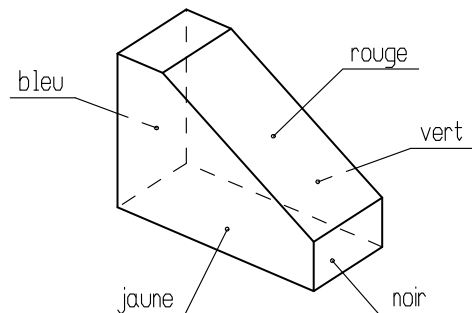
Exercices	Bases du Dessin Industriel	BADI-E-b
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II) Exercice 2

Soit la cale entaillée dessinée ci-contre, en perspective et suivant 8 vues
 Coloriez la perspective et les 8 vues en respectant les couleurs indiquées.



Soit la cale dessinée ci-contre en perspective et suivant 12
Coloriez la perspective et les 12 vues en respectant les couleurs indiquées.



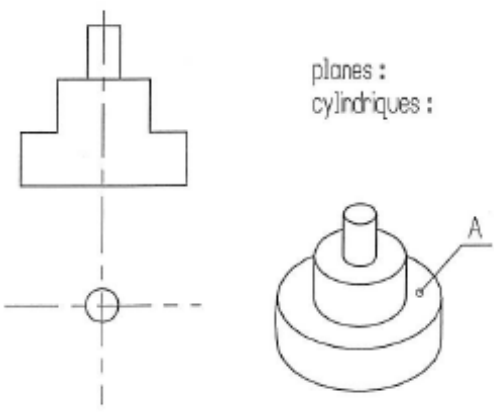
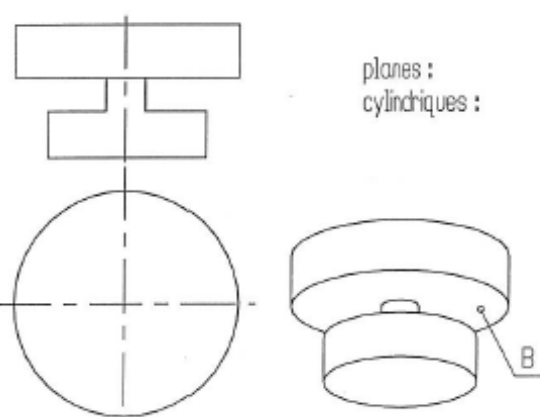
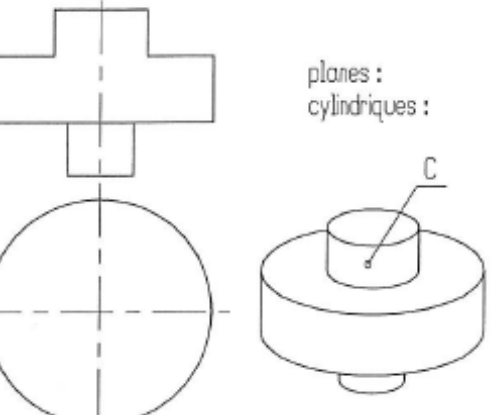
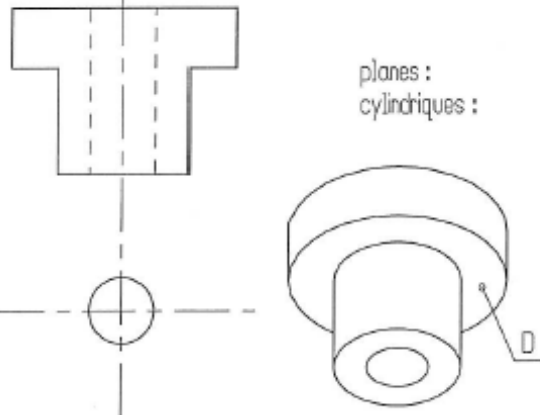
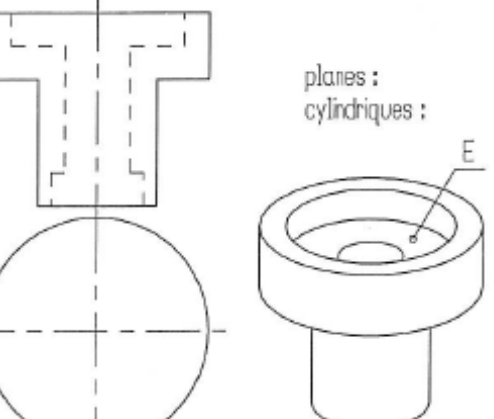
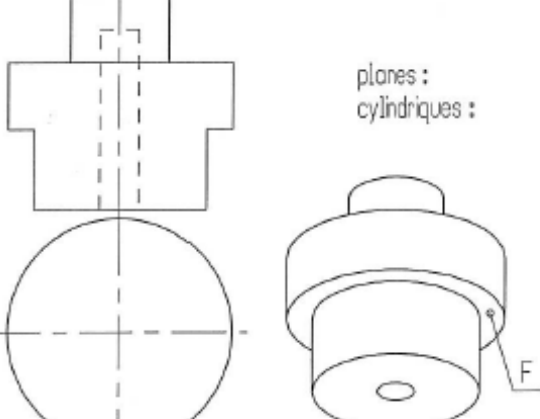
III) Exercice 3

Exercice

SURFACE CYLINDRIQUE N°1

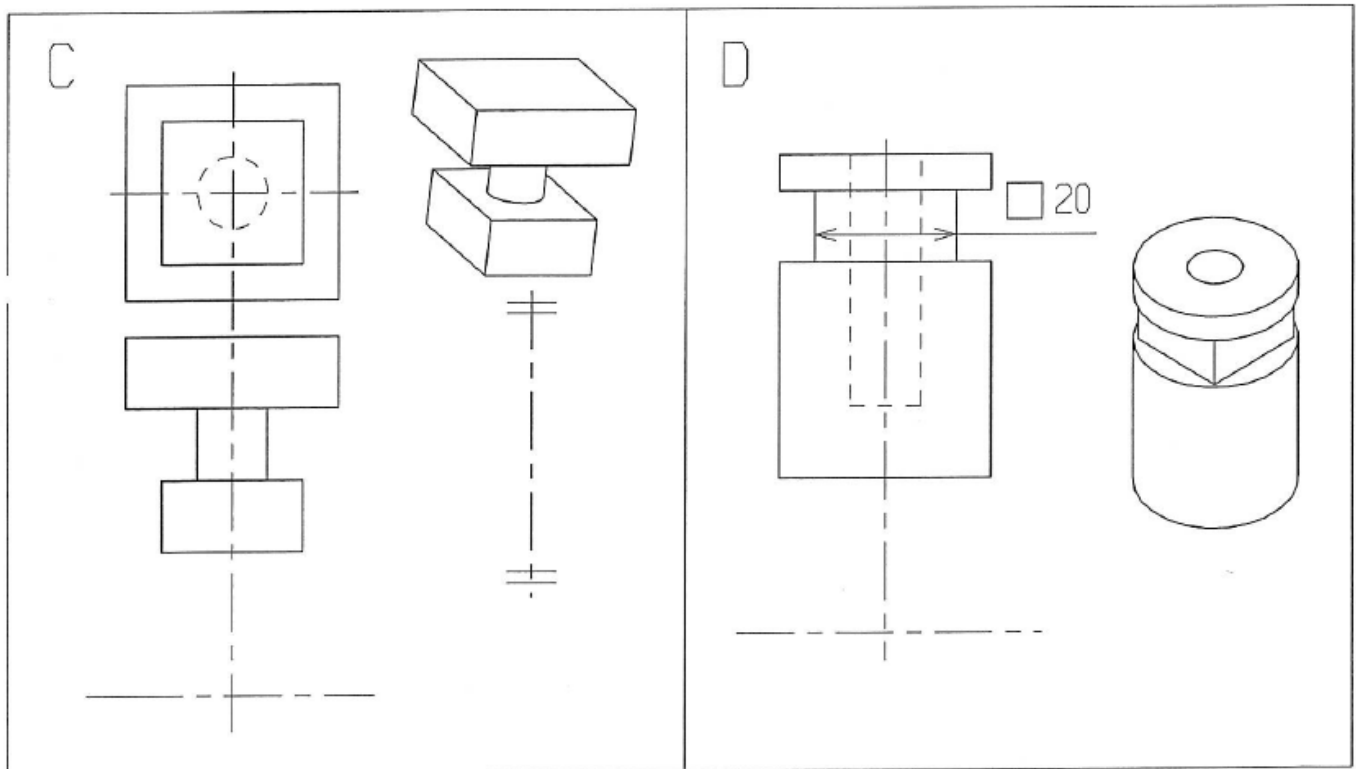
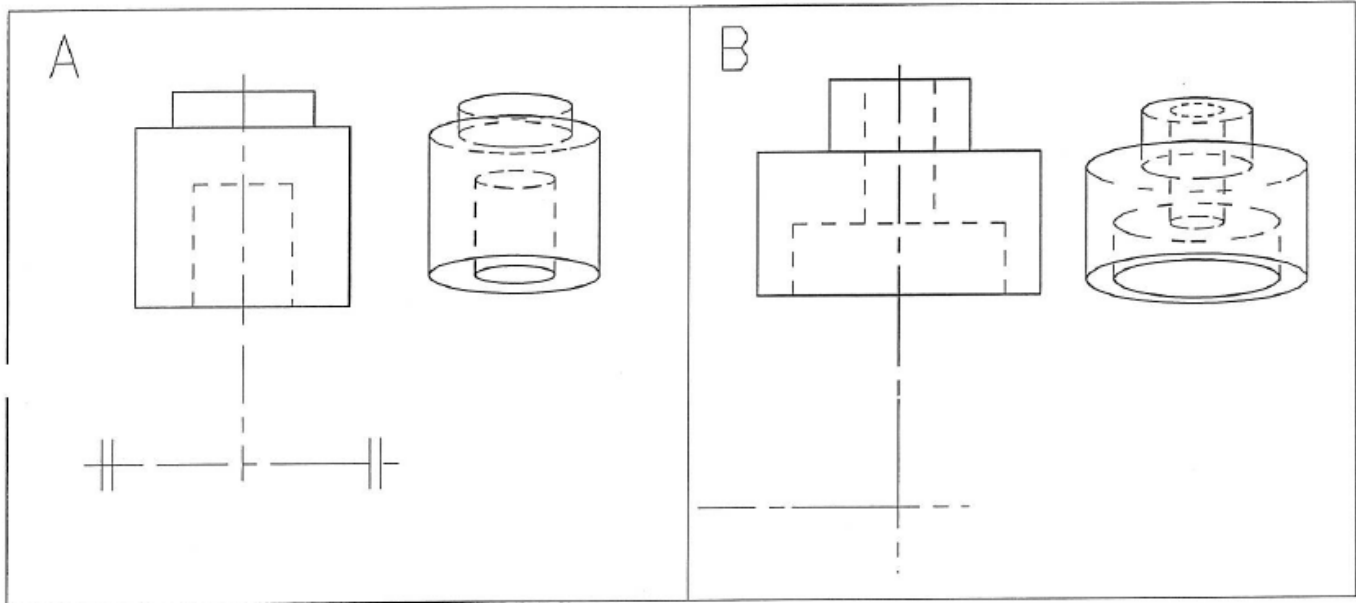
soit les 6 pièces ci-dessous entièrement cylindriques.

1. Complétez les 6 vues de faces (il manque 1 ou plusieurs segments, en traits forts ou pointillés)
2. Dessinez les vues de dessus (cercles en traits forts ou pointillés)
3. Coloriez de la couleur que vous avez, les surfaces A, B, C, D, E et F dans les 2 vues

 <p>planes : cylindriques :</p>	 <p>planes : cylindriques :</p>
 <p>planes : cylindriques :</p>	 <p>planes : cylindriques :</p>
 <p>planes : cylindriques :</p>	 <p>planes : cylindriques :</p>

Voici 4 pièces A, B, C, D de formes cylindriques et prismatiques. On vous demande de dessiner :

- pour la pièce A une demi-vue de dessus,
- pour la pièce B un quart de vue de dessus,
- pour la pièce C une demi-vue de dessus et une demi-vue de gauche
- pour la pièce D une demi-vue de dessus



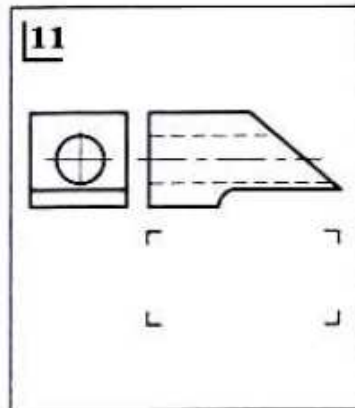
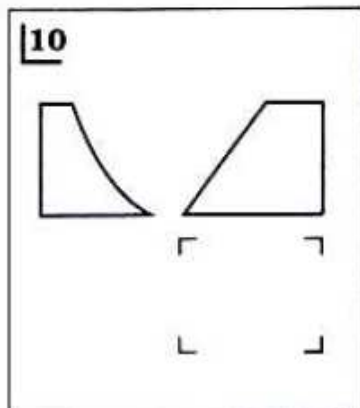
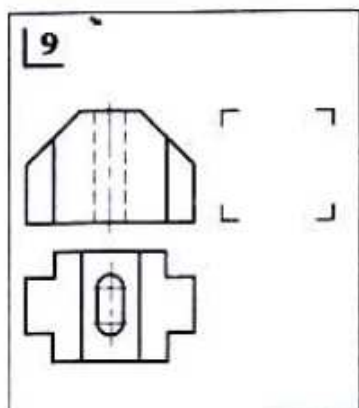
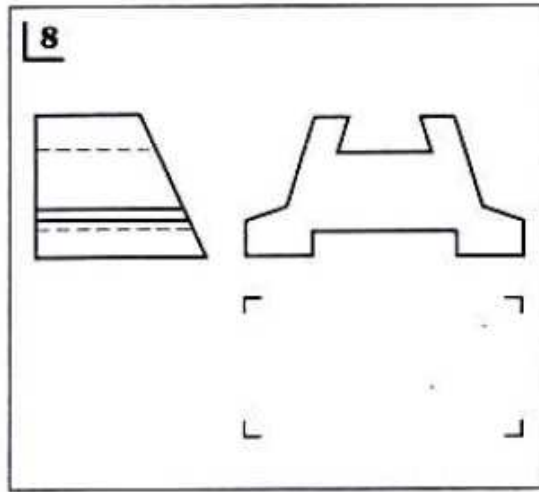
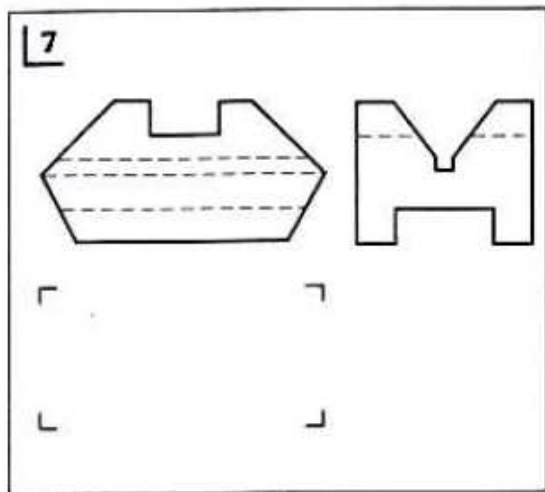
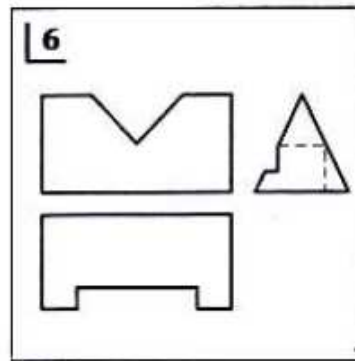
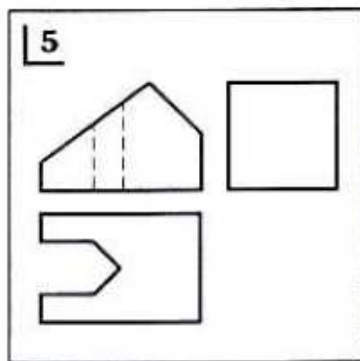
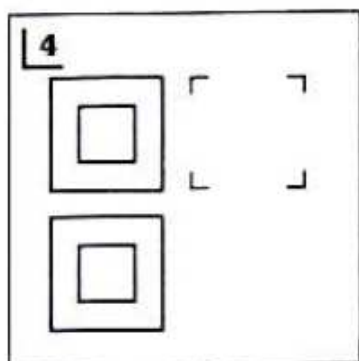
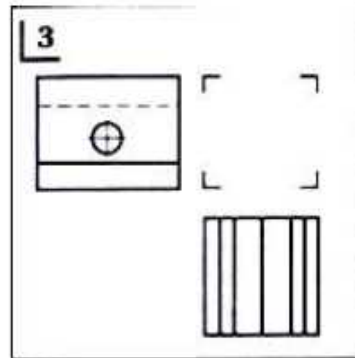
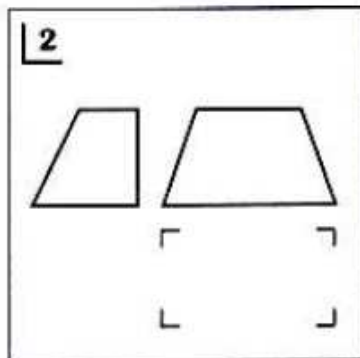
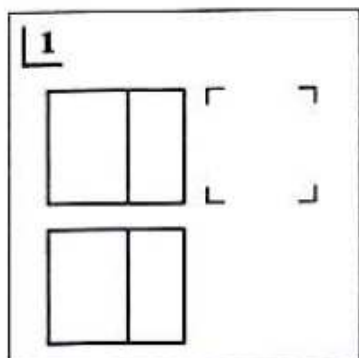
Voici 5 pièces représentées à l'échelle 1 suivant 2 vues et leurs 5 perspectives.

1. Complétez la deuxième vue

<p>1</p>	<p>2</p>	<p>3</p>		
<p>4</p>	<p>5</p>			
<p>1</p>	<p>2</p>	<p>3</p>	<p>4</p>	<p>5</p>

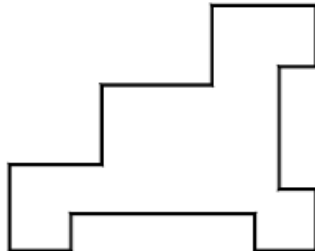
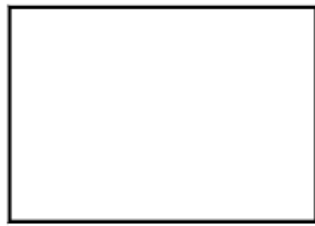
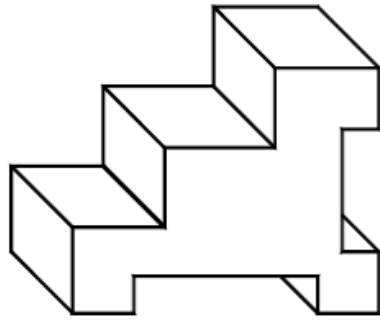
IV) Exercice 4

Tracer les vues manquantes

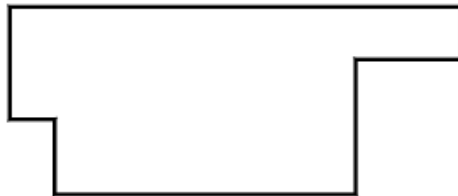
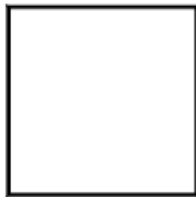
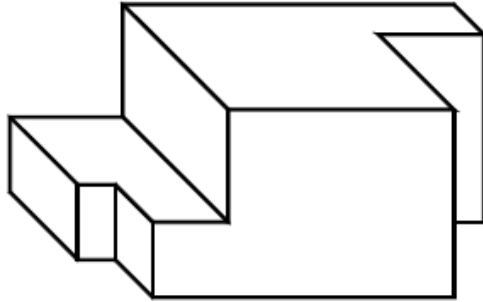


V) Exercice 5

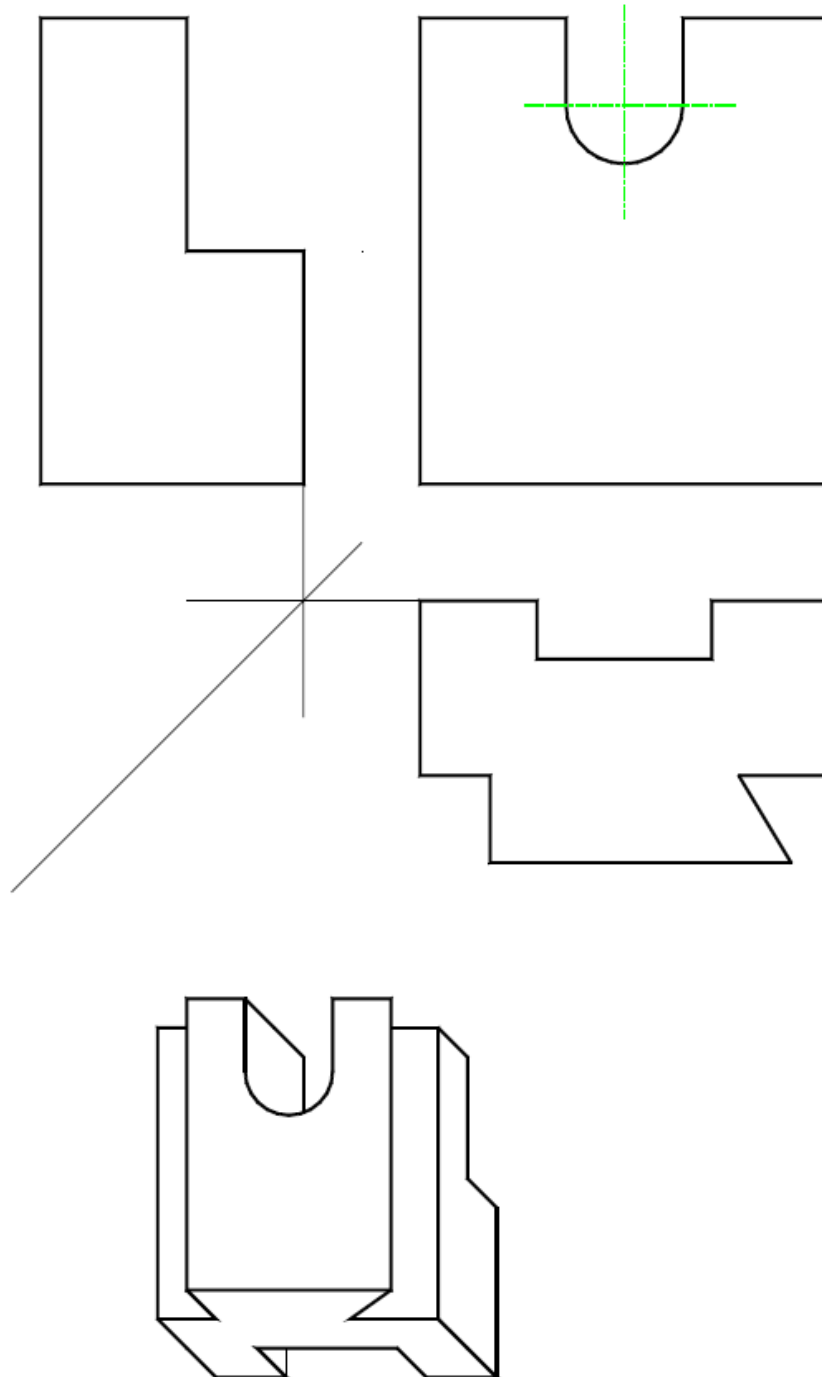
Compléter les vues esquissées en s'aidant de la perspective et des autres vues.



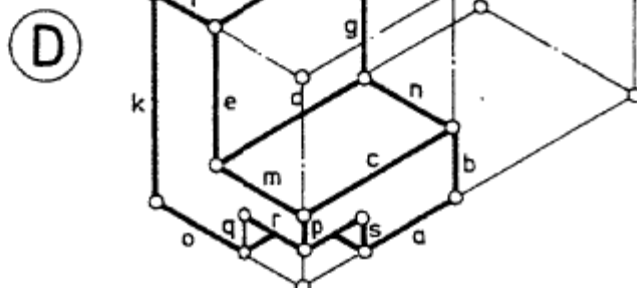
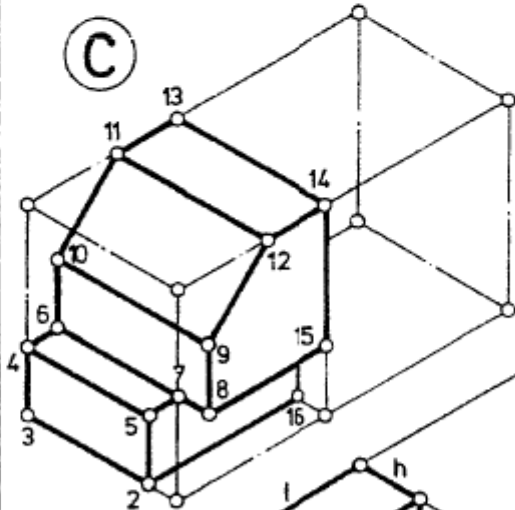
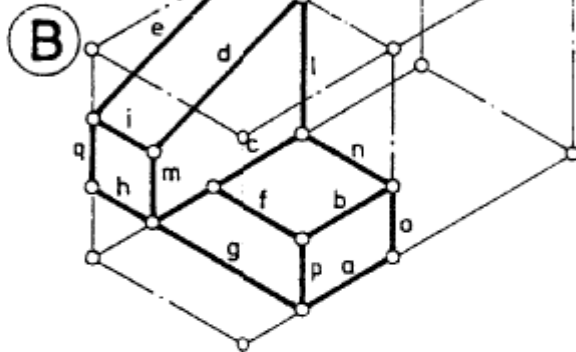
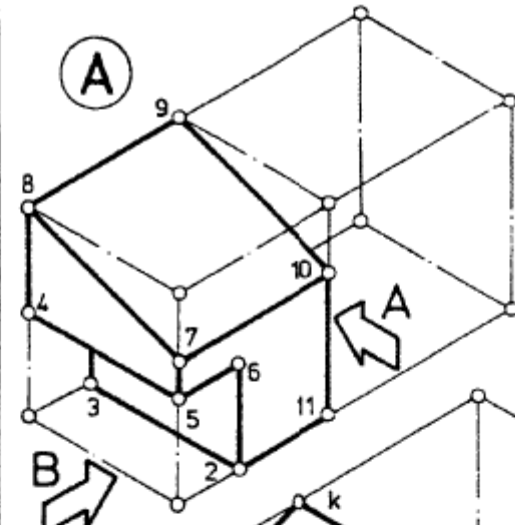
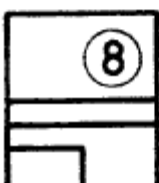
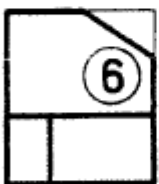
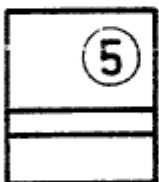
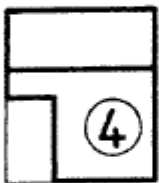
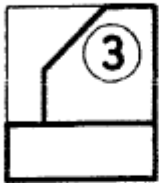
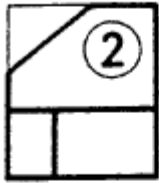
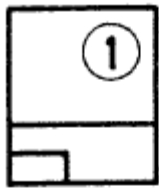
Compléter les vues esquissées en s'aidant de la perspective et des autres vues.



Compléter les vues esquissées en s'aidant de la perspective et des autres vues.



VI) Exercice 6

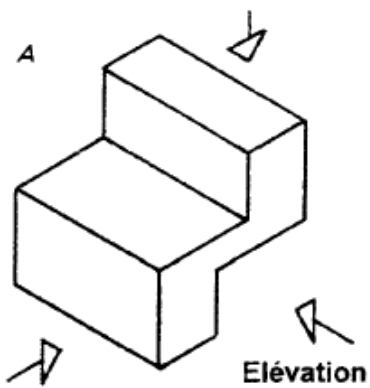


Corps	Vue A
(A)	_____
(B)	_____
(C)	_____
(D)	_____

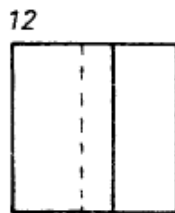
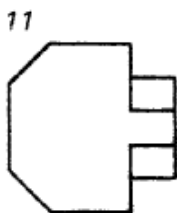
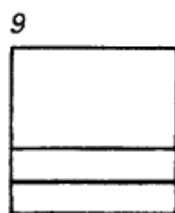
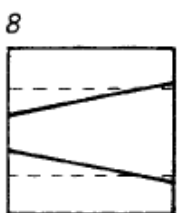
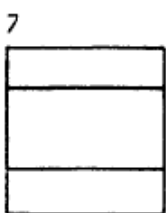
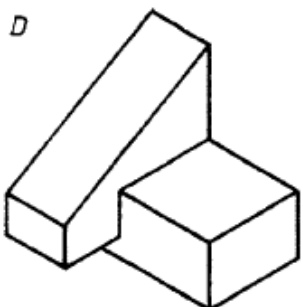
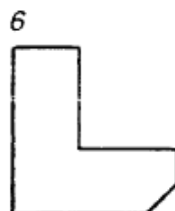
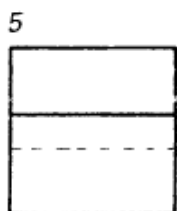
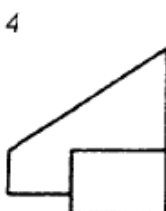
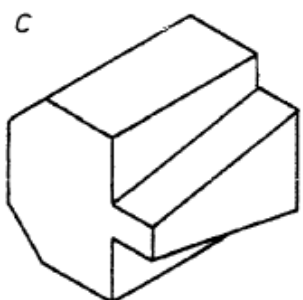
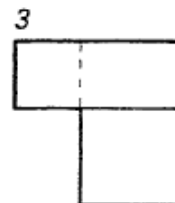
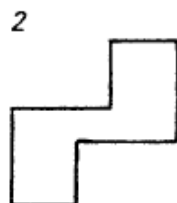
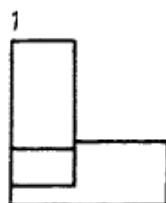
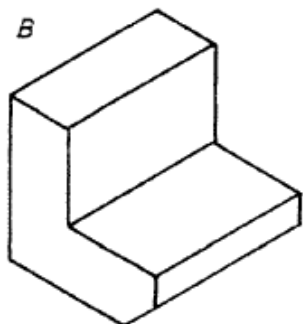
Corps	Vue	Points ou arêtes visibles
(A)	A	_____
	B	_____
(B)	A	_____
	B	_____
(C)	A	_____
	B	_____
(D)	A	_____
	B	_____

VII) Exercice 7

Mettez dans l'ordre les trois vues des pièces A, B, C, D en inscrivant les chiffres dans le tableau.

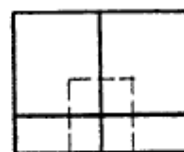
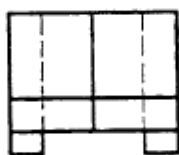
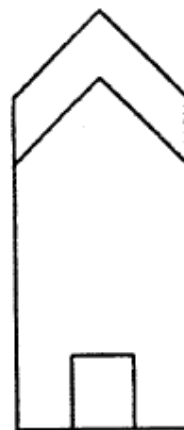
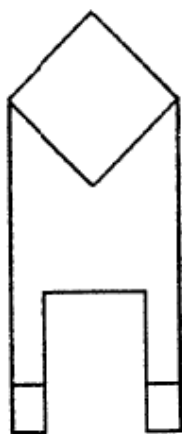
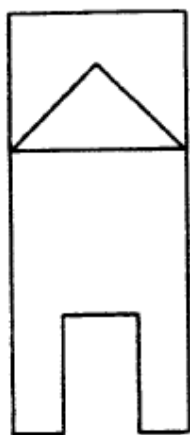
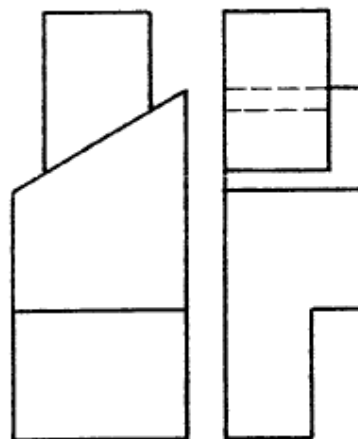
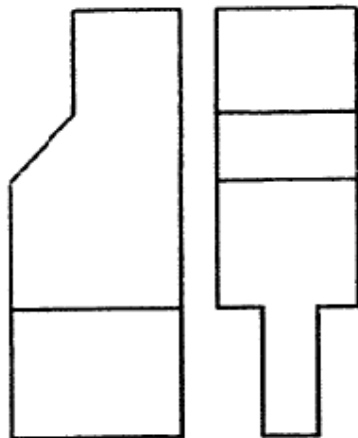
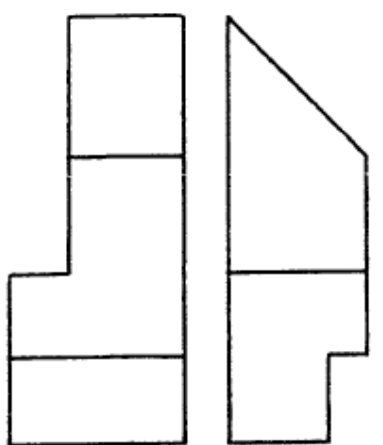


	A	B	C	D

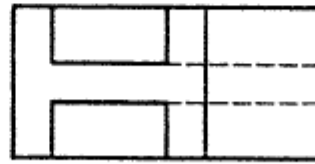
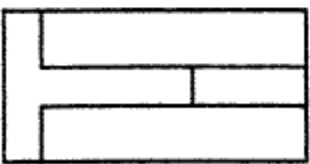
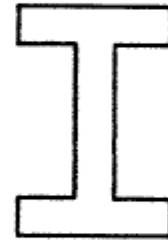
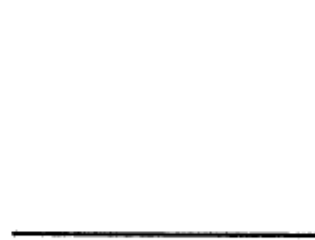
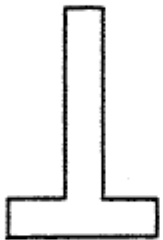
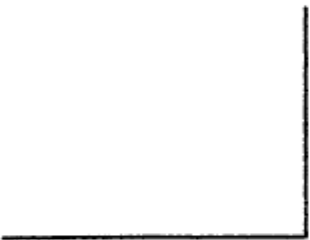
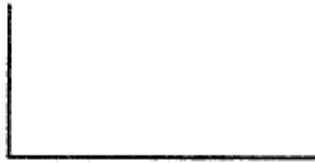
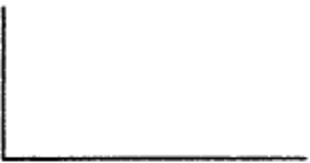
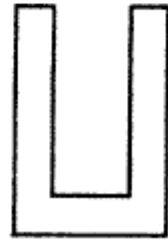
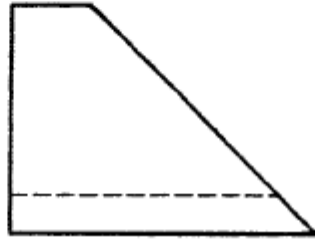
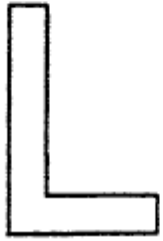
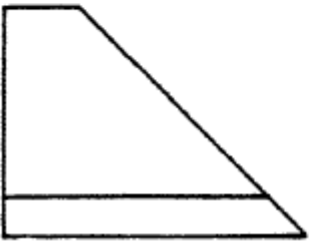
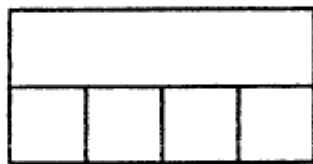
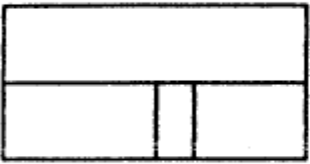
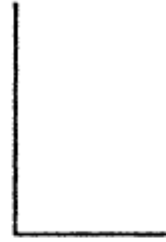
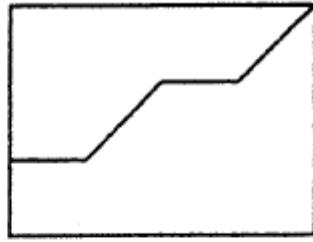
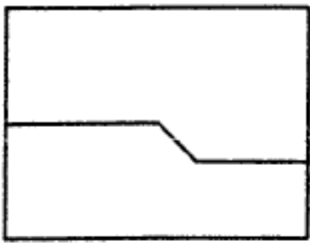


VIII) Exercice 8 : Compléter la vue manquante

Recherchez la vue manquante.

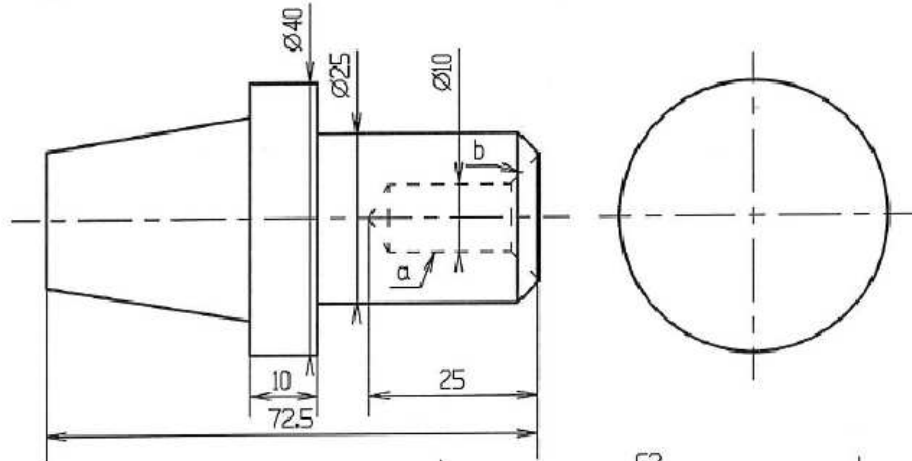


Exercices	Bases du Dessin Industriel	BADI-E-b
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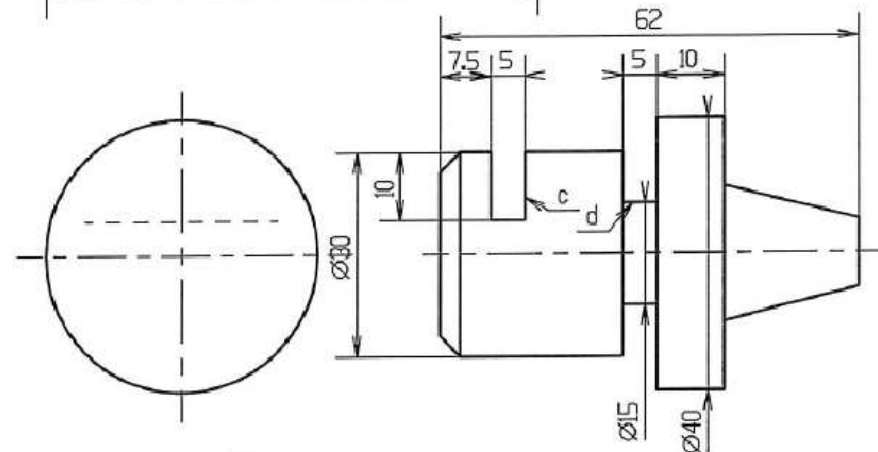


IX) Exercice 9 :**Exercice - Compléter les vues avec les formes décrites****1. 1ère Pièce**

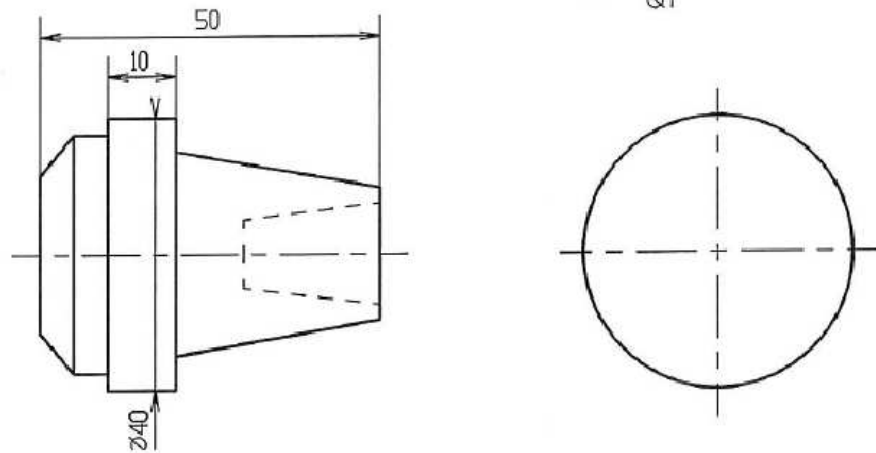
- compléter la vue de gauche.
- complétez la cotation (6cotes), pour le grand cône méthode des diamètres.

**2. 2ème Pièce**

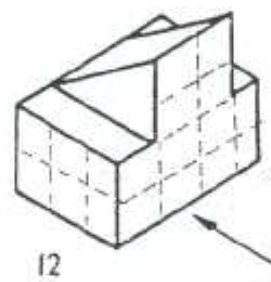
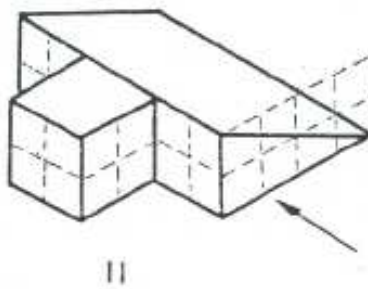
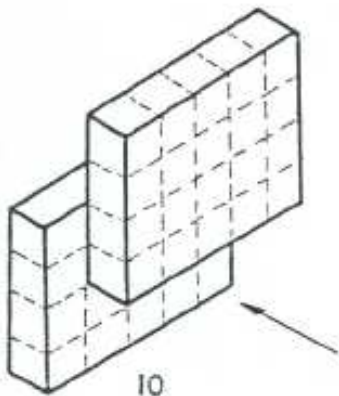
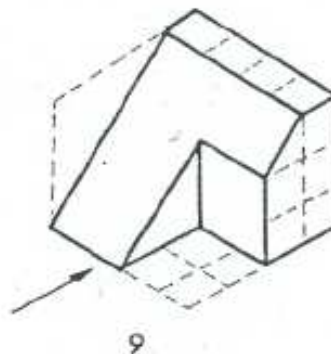
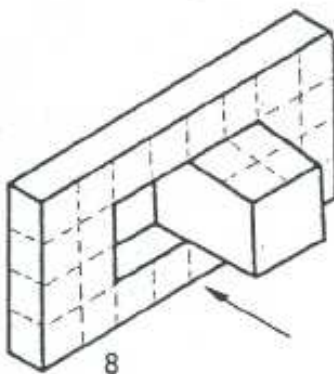
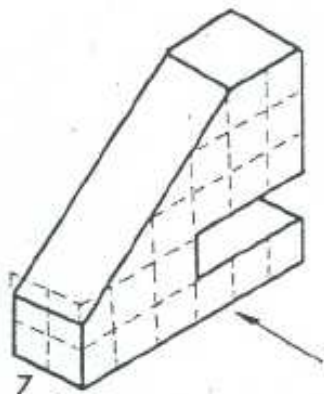
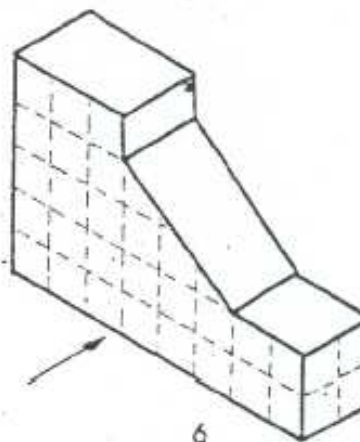
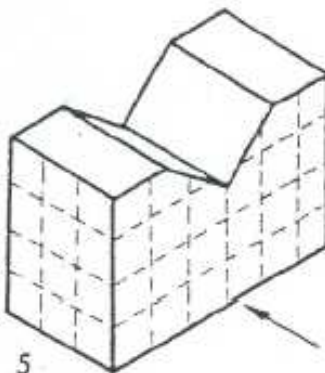
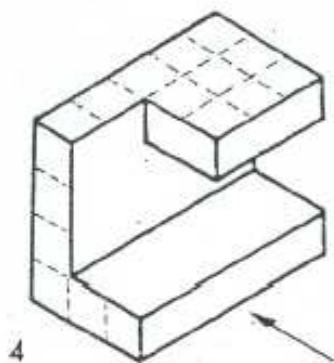
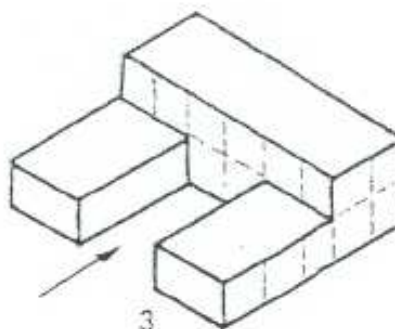
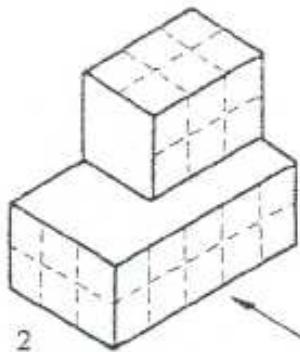
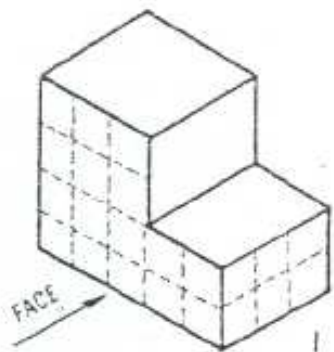
- complétez la vue de droite.
- complétez la cotation (4 cotes), pour le grand cône méthode de la conicité.

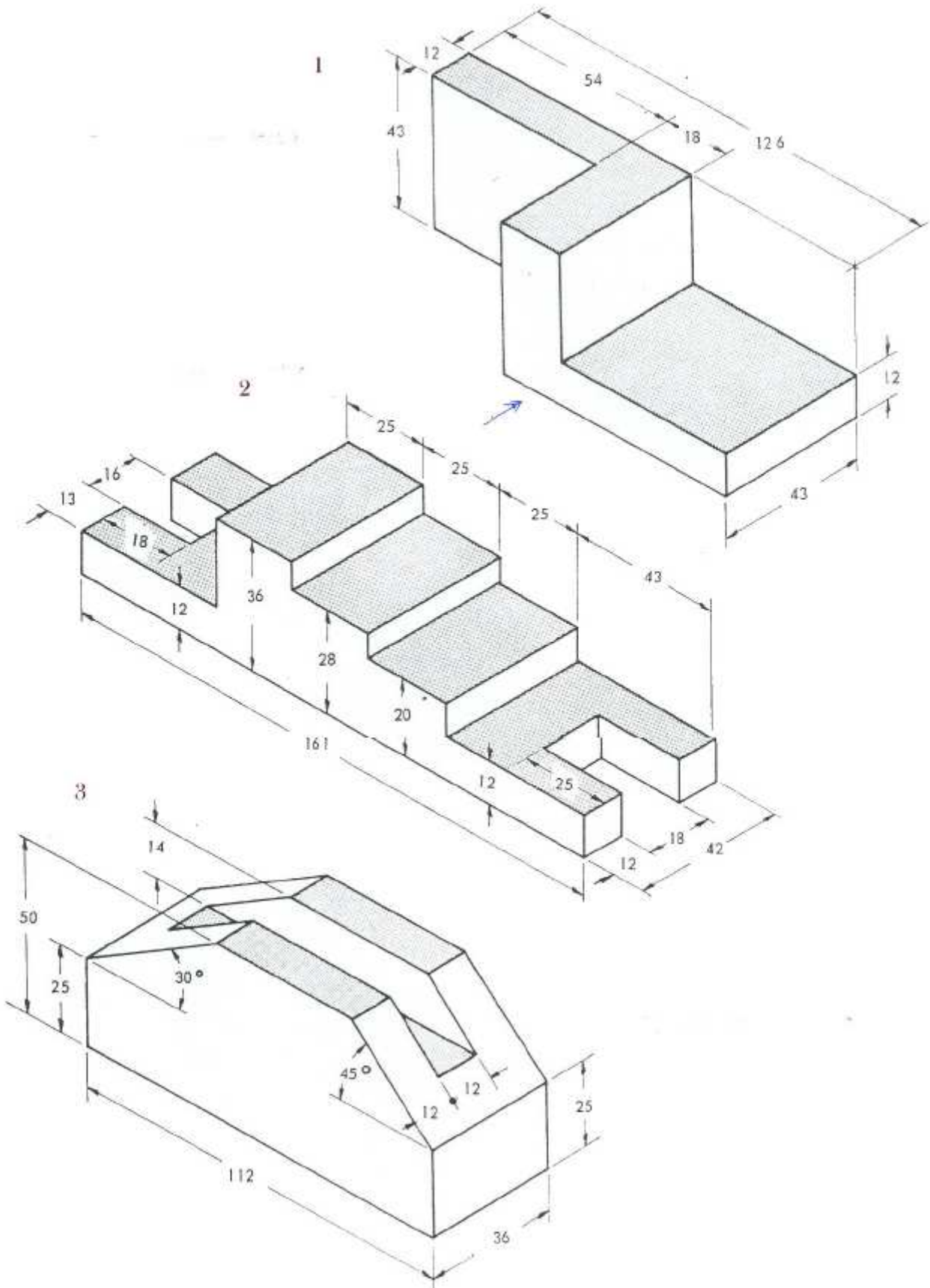
**3. 3ème Pièce**

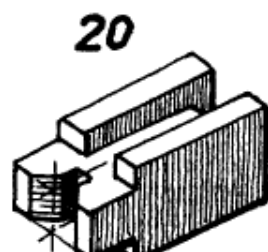
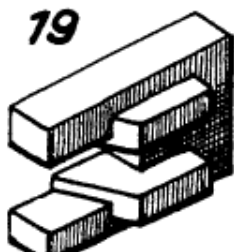
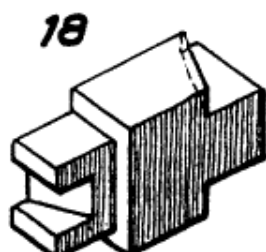
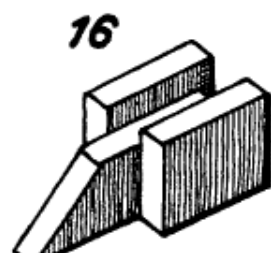
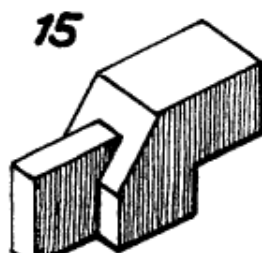
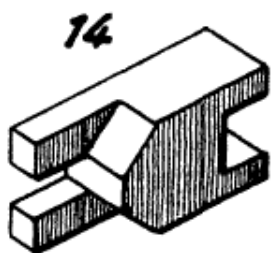
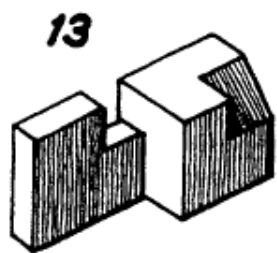
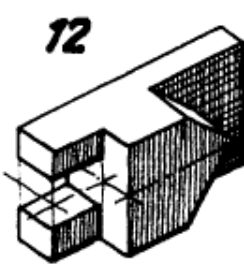
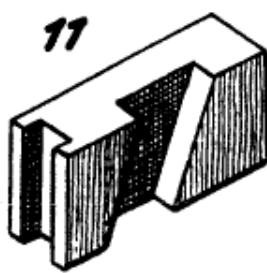
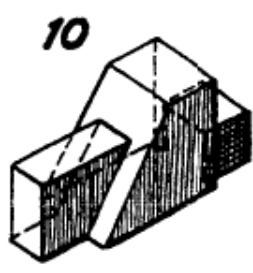
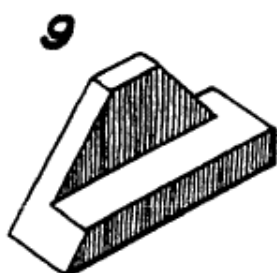
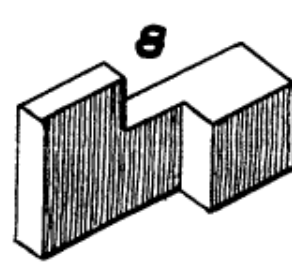
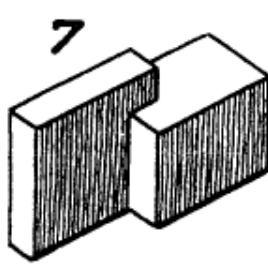
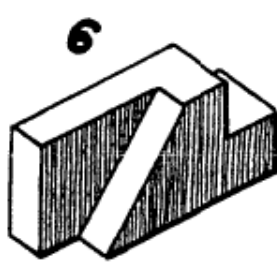
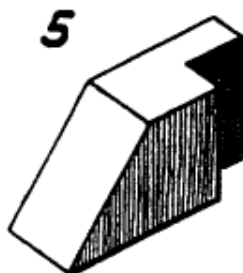
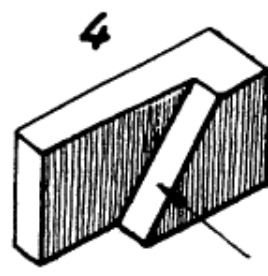
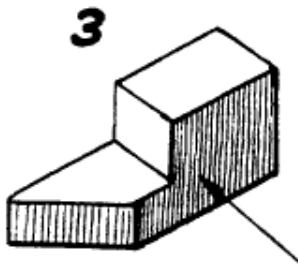
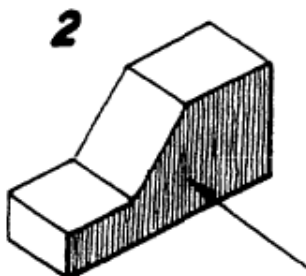
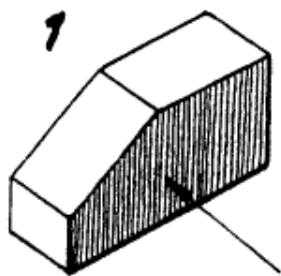
- complétez la vue de gauche.
- complétez la cotation (9 cotes), utilisez la méthode du 1/2 angle au sommet pour les 3 cônes: angles: 50°, 10° et 7°.



X) Exercice 10 : Représenter ce que l'on voit







XI) Exercice 11 : Coupes

Soit la pièce ci-dessous représentée suivant 3 vues incomplètes,

On vous demande de dessiner :

Une vue de face coupe A-A, une vue de gauche coupe B-B et une vue de dessus coupe C-C

Pour cela on vous demande de réaliser les activités suivantes:

Q1.1- **ECRIVEZ** les noms des coupes A-A, B-B et C-C au-dessus des vues correspondantes.

Q1.2- En vous aidant des plans de coupe déjà tracés, **REPRESENTEZ** les flèches et leurs désignations correspondantes sur chaque plan de coupe. (A-A, B-B...)

Q1.3- En vous aidant du plan de coupe A-A, **COLORIEZ** en **bleu** la matière coupée sur la vue en perspective.

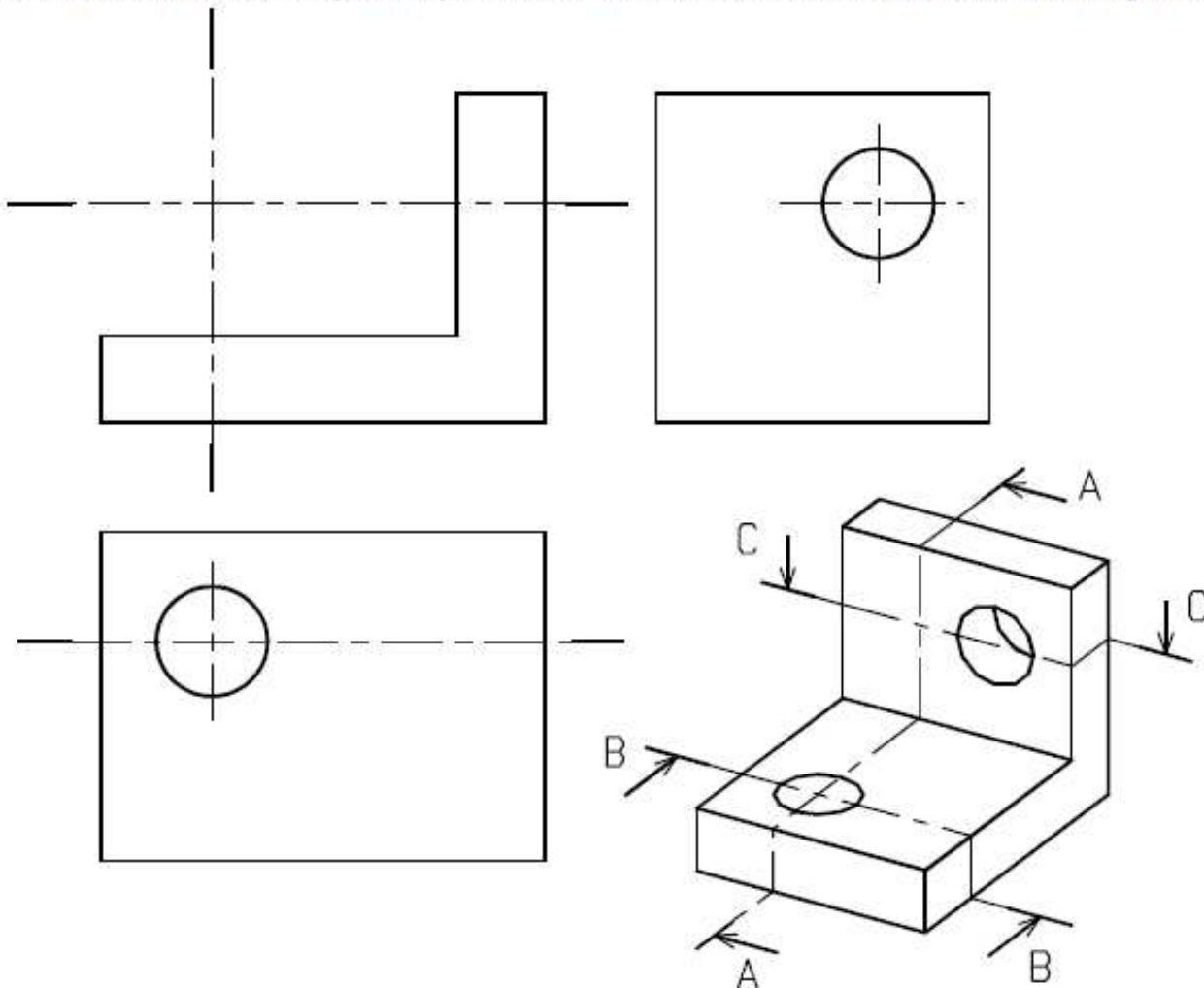
Q1.4- En vous aidant de la question précédente, **TRANSFORMEZ** la vue de face en coupe A-A.

Q1.5- En vous aidant du plan de coupe B-B, **COLORIEZ** en **rouge** la matière coupée sur la vue en perspective.

Q1.6- En vous aidant de la question précédente, **TRANSFORMEZ** la vue de gauche en coupe B-B.

Q1.7- En vous aidant du plan de coupe C-C, **COLORIEZ** en **vert** la matière coupée sur la vue en perspective.

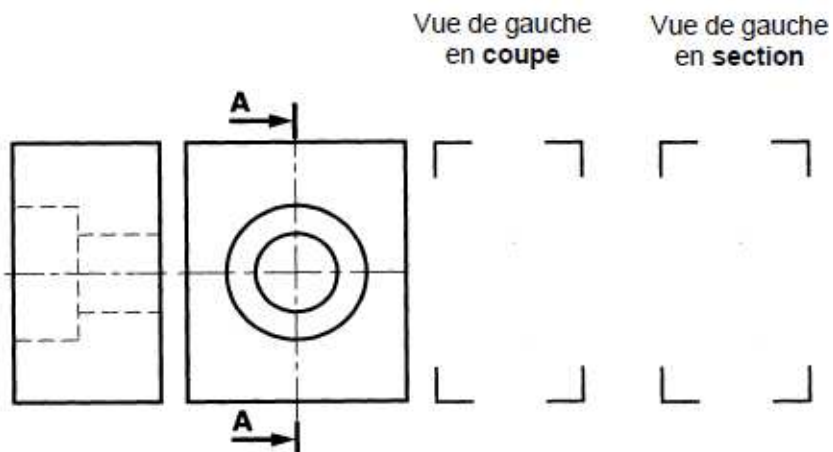
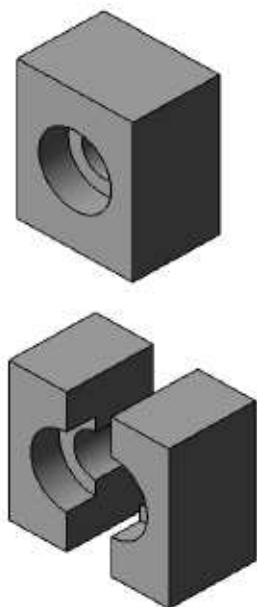
Q1.8- En vous aidant de la question précédente, **TRANSFORMEZ** la vue de dessus en coupe C-C.



XII) Exercice 12 : Coupes & Sections

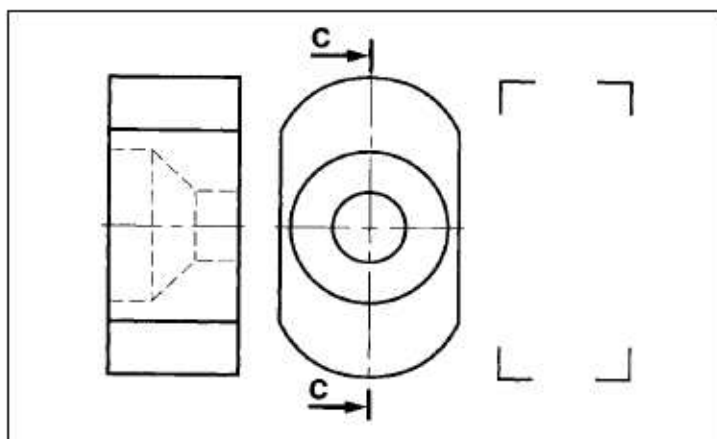
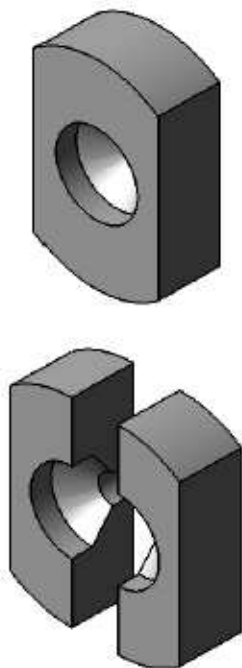
Q3.1- Dans les cadres prévus à cet effet, **REALISEZ** la vue de gauche en coupe **A-A** pour la pièce ci-dessous. Puis la vue de gauche en **section**.

Matière de la pièce: Aluminium



Q3.2- Dans le cadre prévu à cet effet, **REALISEZ** la vue de gauche en coupe **C-C** pour la pièce ci-dessous.

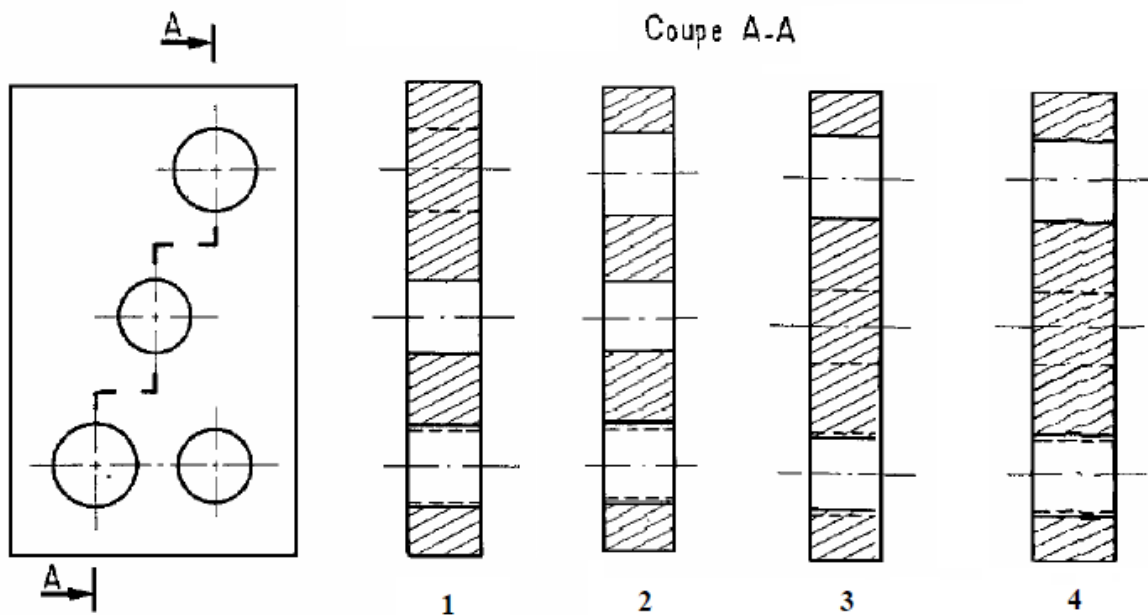
Matière de la pièce: Bronze



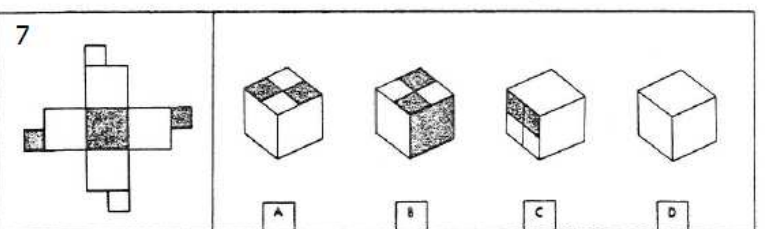
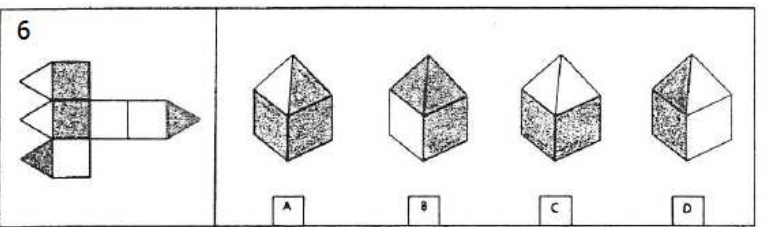
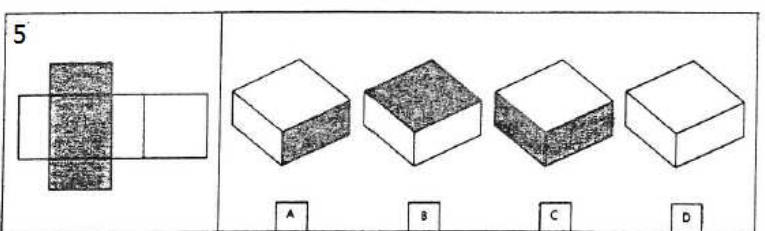
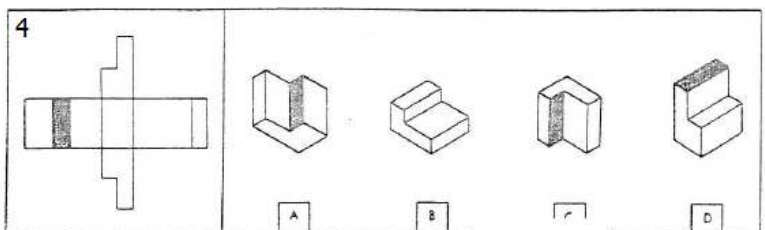
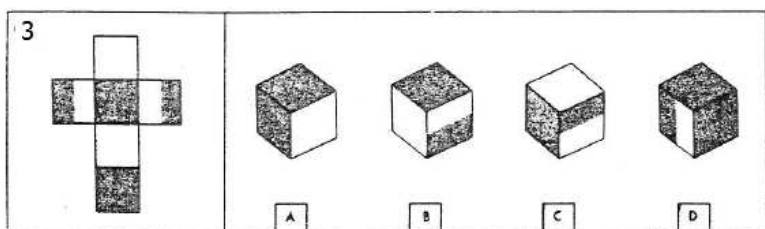
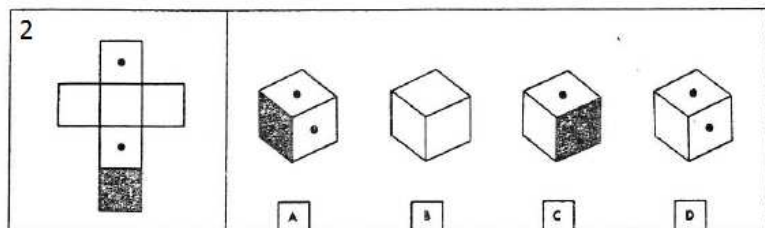
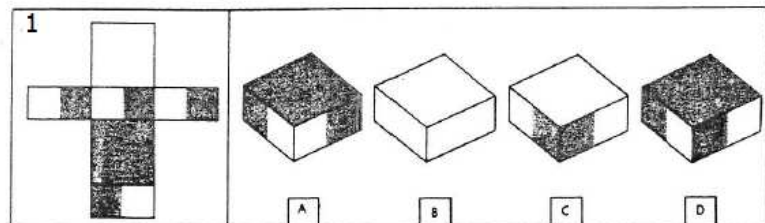
XIII) Exercice 13 : Coupe brisée

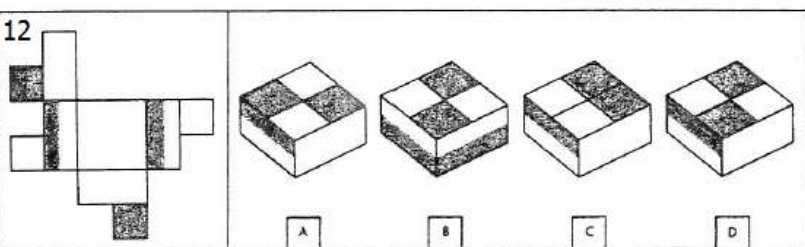
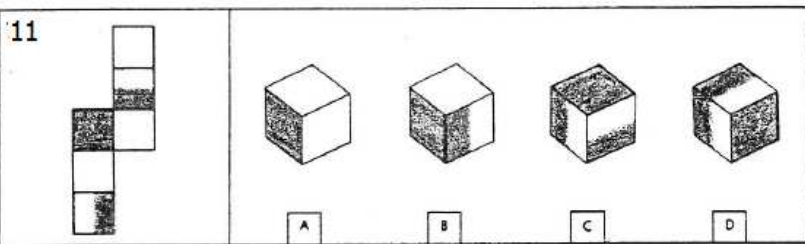
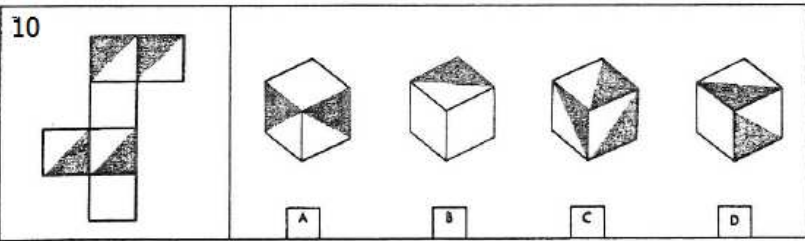
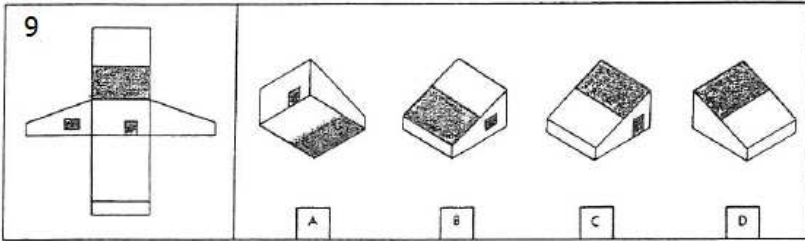
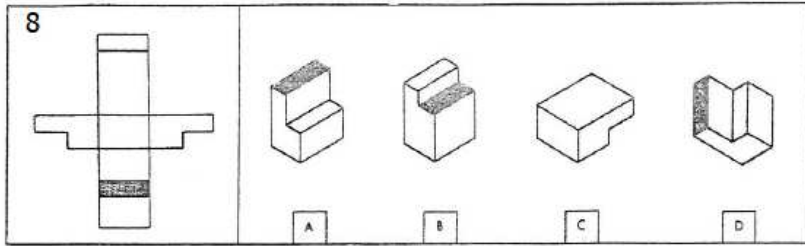
Cocher dans le tableau la bonne représentation.

1	2	3	4



XIV) Exercice 14 : Représentation spatiale & développée





XV) EXERCICE 15 : Correspondances entre vues

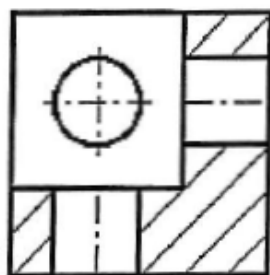
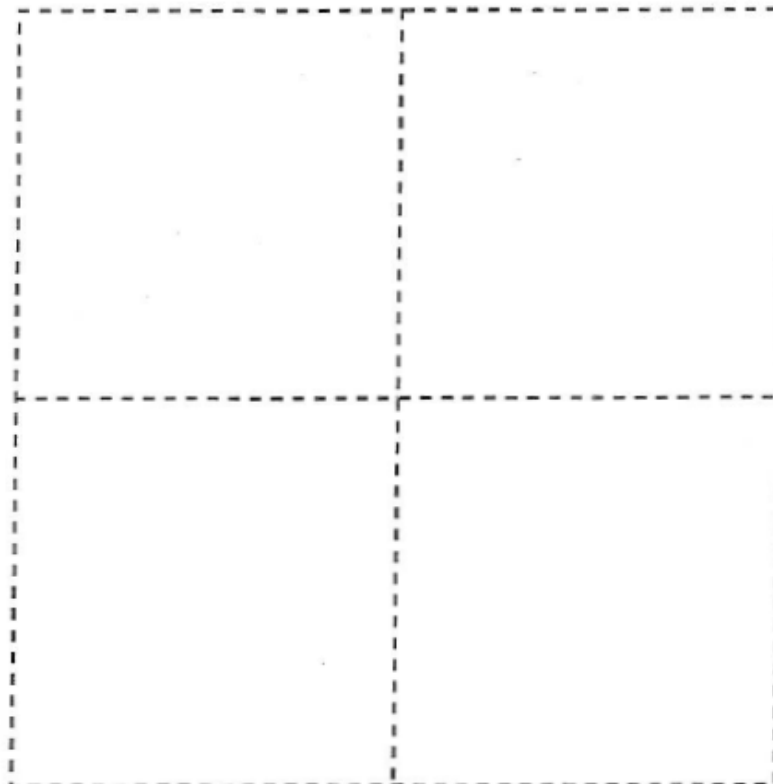
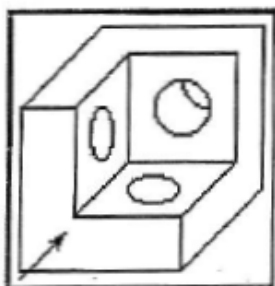
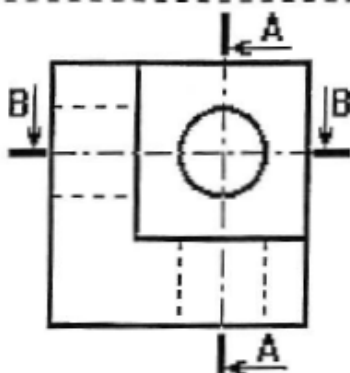
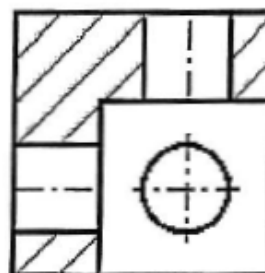
1) Préciser dans les cadres les noms des coupes
2) Préciser sur les coupes les éléments manquants

The drawing shows a mechanical part with a semi-circular top, a central hole, and a square base. Section lines A-A and B-B are shown. The front view shows the semi-circular top and the central hole. The top view shows the square base and the central hole. There are empty boxes for labeling the sections and their elements.

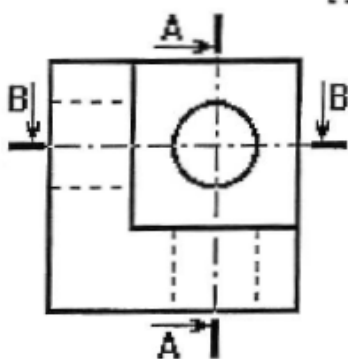
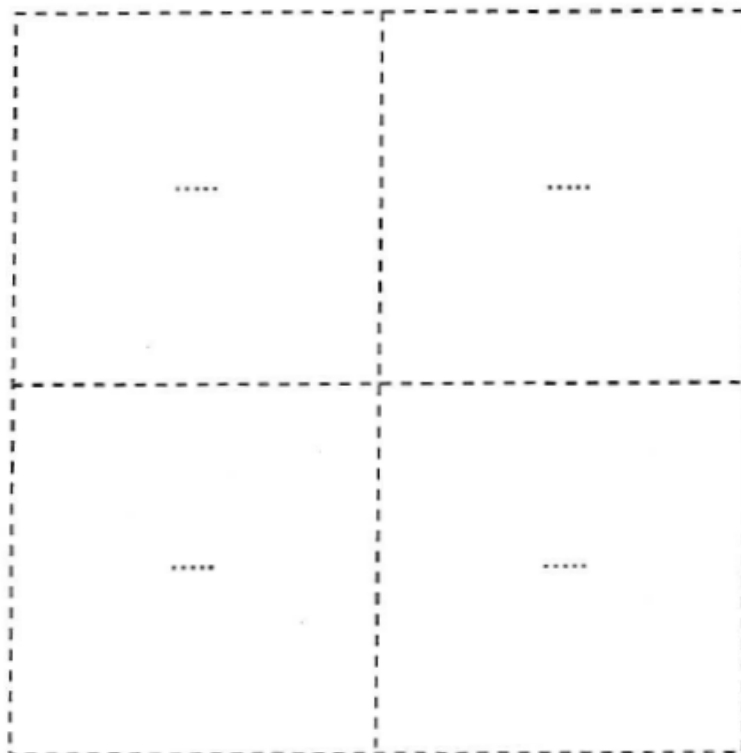
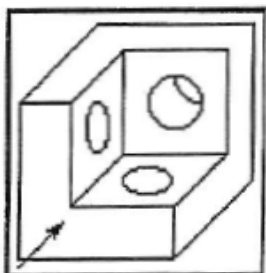
<p>Echelle 1:1</p>	<p>Nom :</p>	<p>A4 </p>				
<p>CHAPE</p>		<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td>00</td> </tr> </table>				00
	00					

XVI) EXERCICE 16 : Projections et Coupes

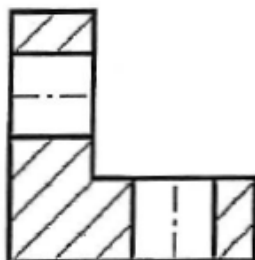
Par rapport à la vue en perspective, replacer les 3 vues ci-dessous correctement.
(la flèche désigne la vue de face)

123

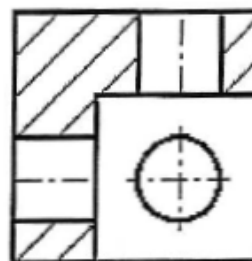
Par rapport à la vue en perspective, replacer les 3 vues ci-dessous correctement.
(la flèche désigne la vue de face)



1



2

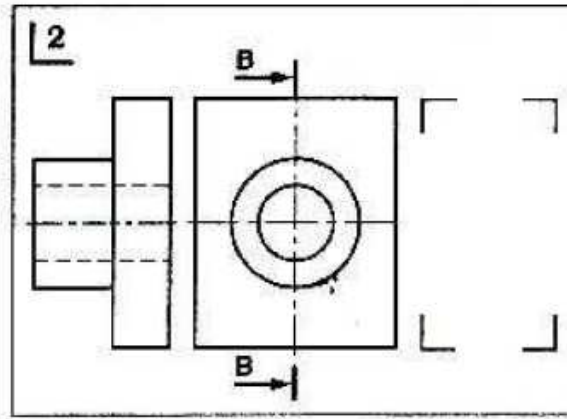
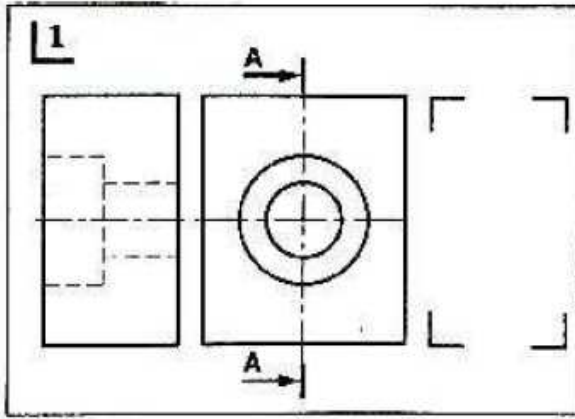


3

XVII) EXERCICE 17

Pour chaque exercice, tracer la vue coupée manquante. Utiliser le plan de coupe indiqué.

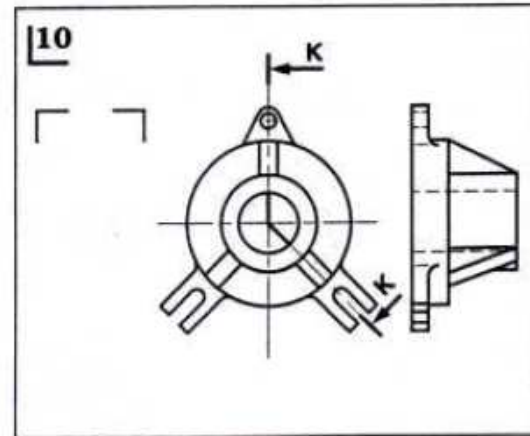
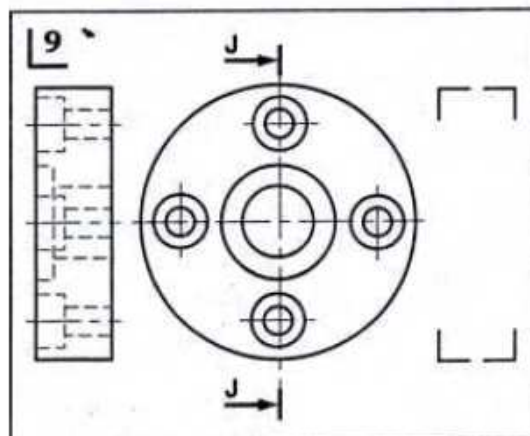
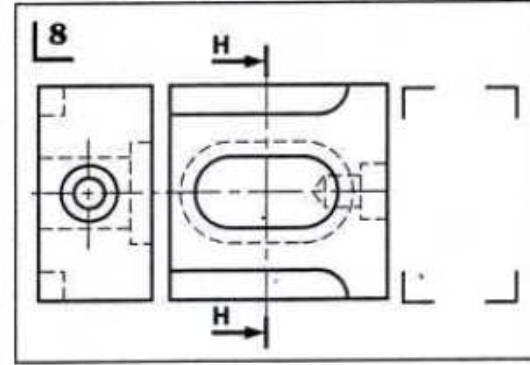
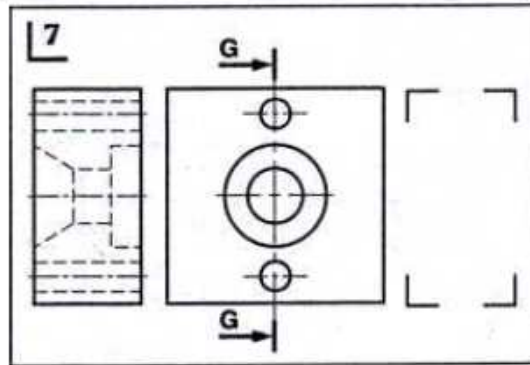
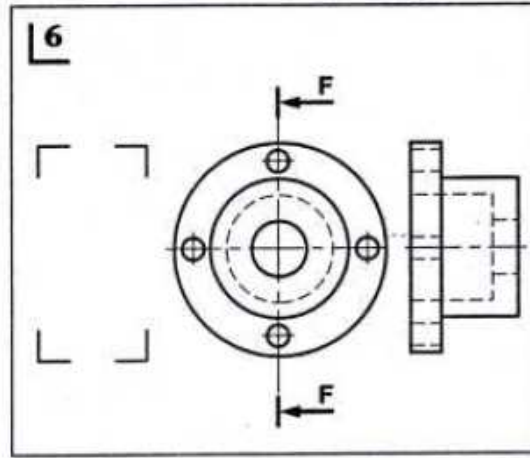
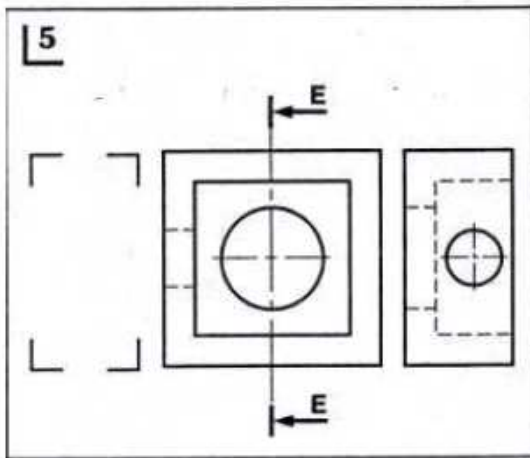
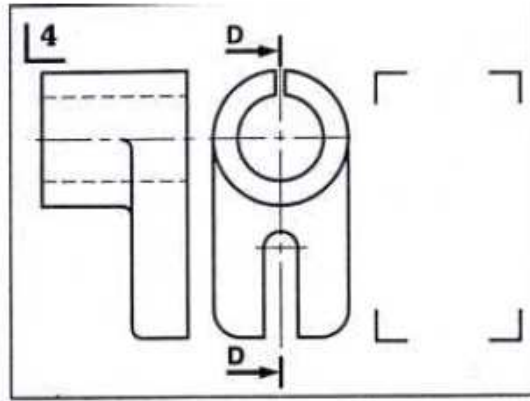
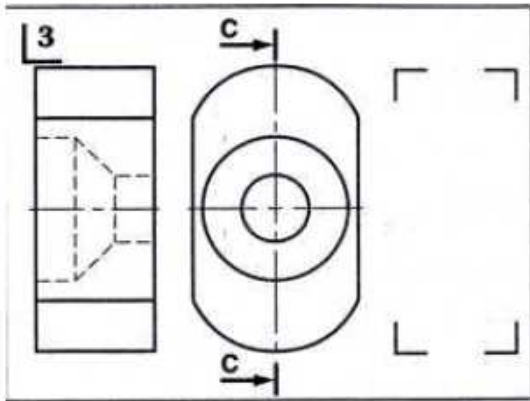
Exercices 1-2-4-5-7-11-13-14-15 : faire une coupe classique.

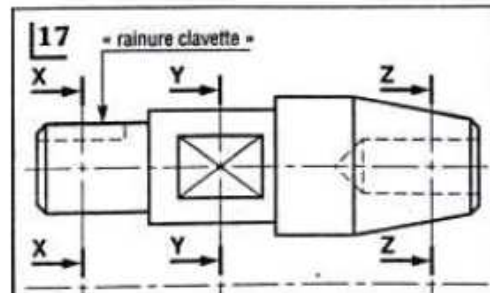
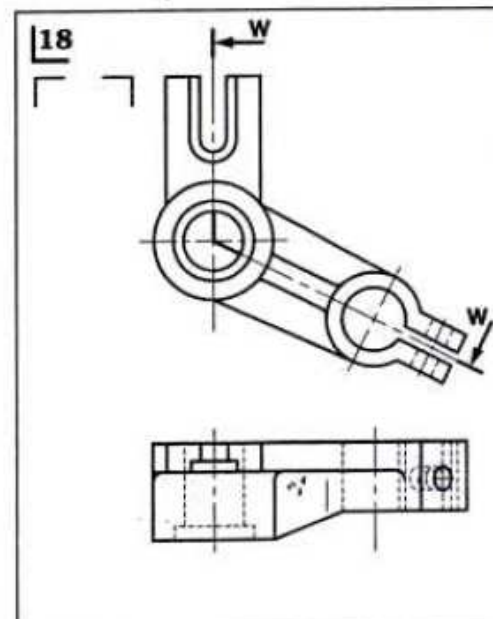
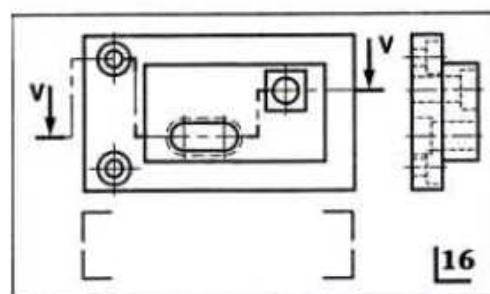
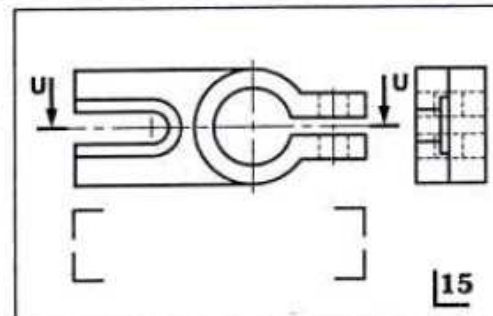
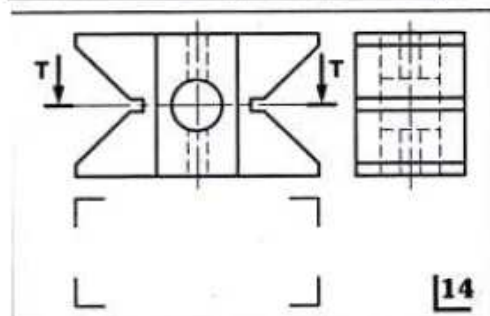
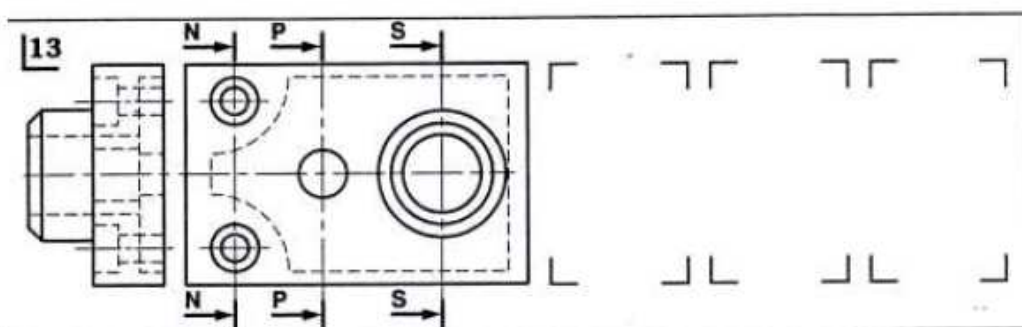
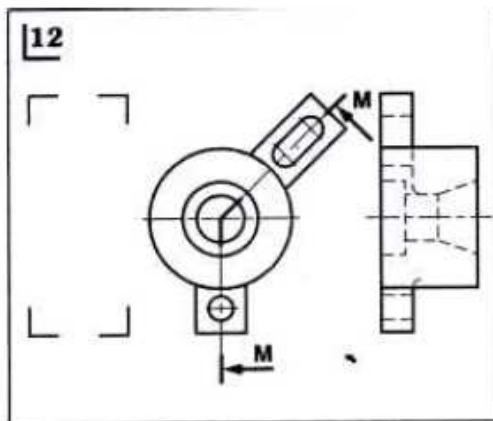
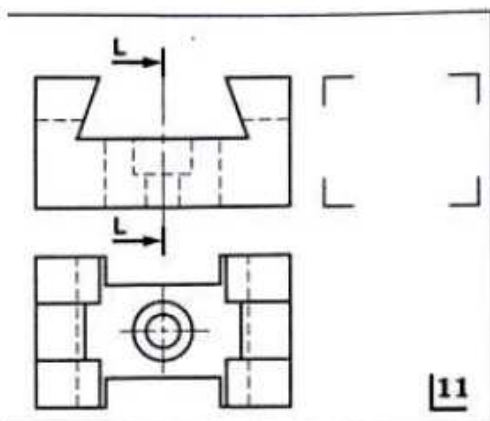


Exercices 3-6-9 : faire une demi-coupe.

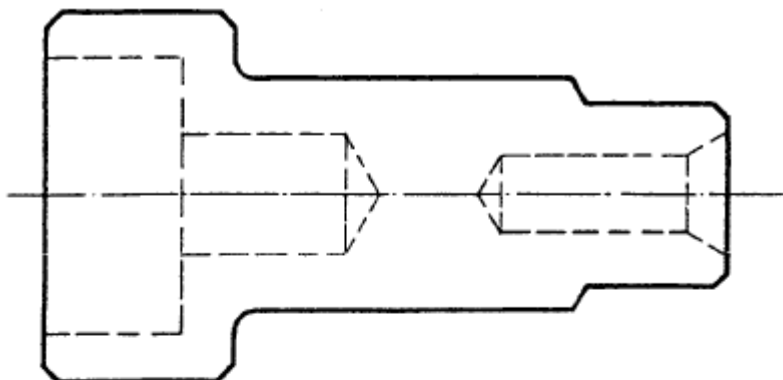
Exercices 10-12-16-18 : faire une coupe brisée.

Exercice 17 : faire les section sorties.

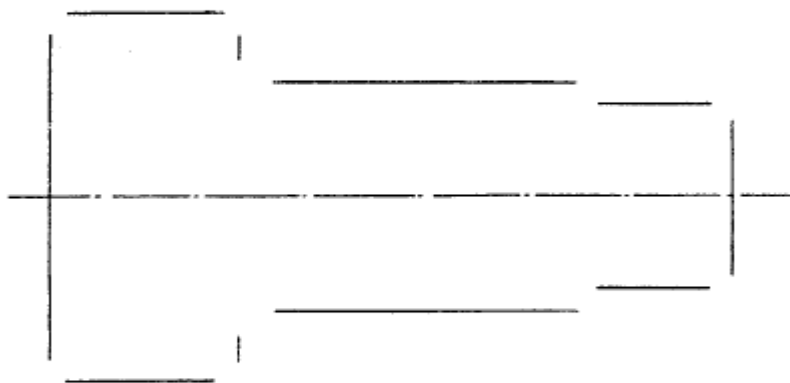




XVIII) EXERCICE 18



Complétez le dessin.



Exécutez une
représentation en coupe
totale.



Exécutez une
représentation avec
coupe locale (partie
gauche).