

ATELIER 4

Que d'eau !

Vous disposez de trois récipients de 3 dL, 5 dL et 8 dL.

Le récipient de 8 dL est rempli d'eau. Vous n'avez pas d'autres récipients à votre disposition et aucune graduation n'apparaît sur les récipients. Vous pouvez verser l'eau d'un récipient dans un autre autant de fois que vous le souhaitez.

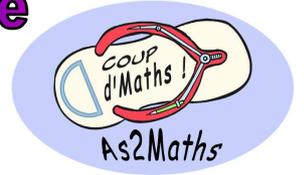
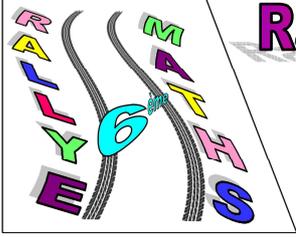
1^{er} défi : Comment pouvez-vous isoler 2 dL ?

2^{ème} défi : Comment pouvez-vous isoler 4 dL ?

3^{ème} défi : Comment pouvez-vous isoler 1 dL ?

Pour résoudre les défis proposés dans cet atelier :

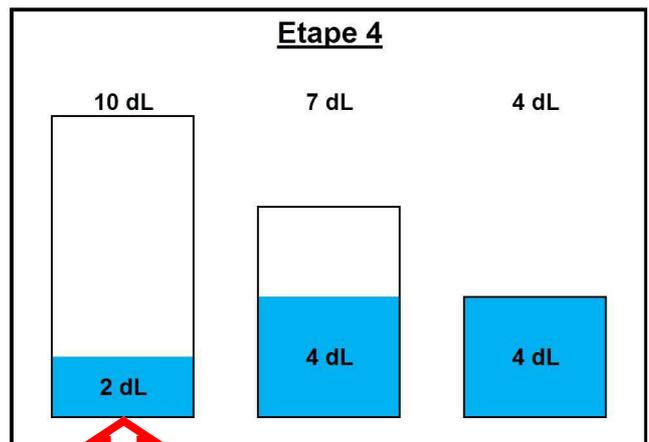
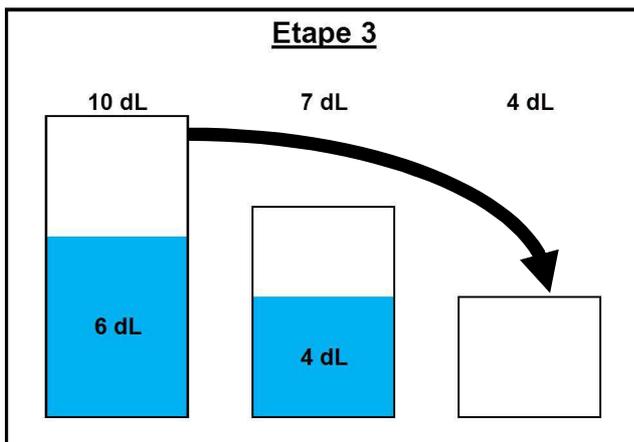
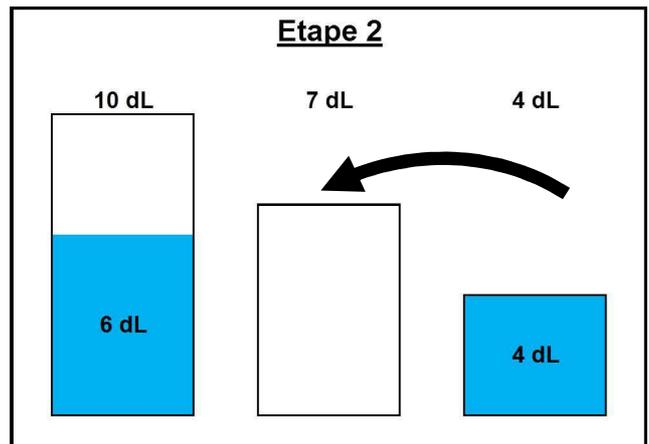
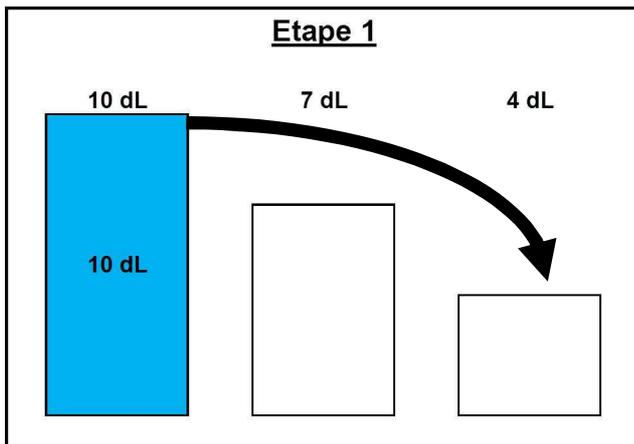
- Un exemple de défi et sa solution vous sont fournis
- Vous avez à votre disposition des récipients et de l'eau que vous pourrez manipuler comme vous le souhaitez
- Vous devez remplir les 3 fiches solutions sur lesquelles 8 étapes sont proposées mais elles ne sont pas obligatoirement toutes utiles.



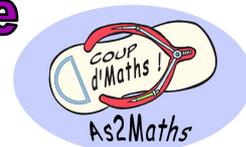
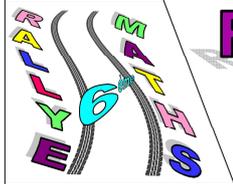
ATELIER 4

EXEMPLE

Comment réussir à isoler 2 dL lorsqu'on dispose d'un récipient de 10 dL plein, d'un récipient de 7 dL et d'un récipient de 4 dL ?



Ici on a
2 dL



POUR ISOLER 2 dL

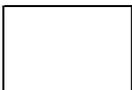
Etape 1

8 dL	5 dL	3 dL
		

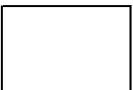
Etape 2

8 dL	5 dL	3 dL
		

Etape 3

8 dL	5 dL	3 dL
		

Etape 4

8 dL	5 dL	3 dL
		

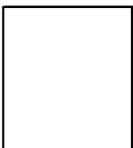
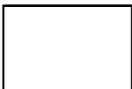
Etape 5

8 dL	5 dL	3 dL
		

Etape 6

8 dL	5 dL	3 dL
		

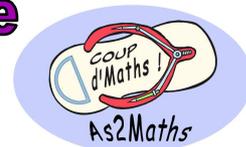
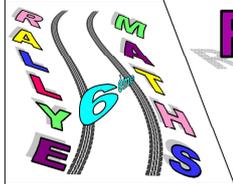
Etape 7

8 dL	5 dL	3 dL
		

Etape 8

8 dL	5 dL	3 dL
		

Collège _____

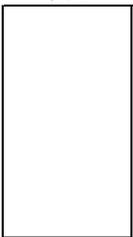
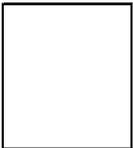


POUR ISOLER 1 dL

Etape 1

8 dL	5 dL	3 dL
		

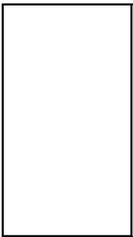
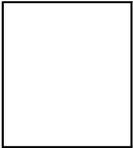
Etape 2

8 dL	5 dL	3 dL
		

Etape 3

8 dL	5 dL	3 dL
		

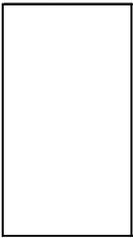
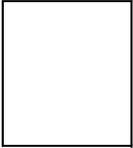
Etape 4

8 dL	5 dL	3 dL
		

Etape 5

8 dL	5 dL	3 dL
		

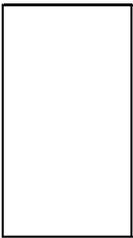
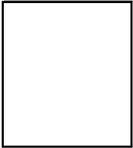
Etape 6

8 dL	5 dL	3 dL
		

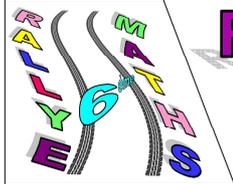
Etape 7

8 dL	5 dL	3 dL
		

Etape 8

8 dL	5 dL	3 dL
		

Collège _____

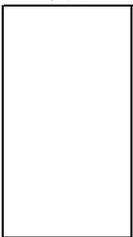
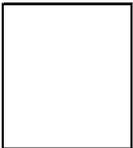


POUR ISOLER 4 dL

Etape 1

8 dL	5 dL	3 dL
		

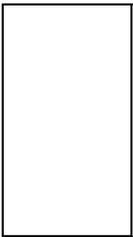
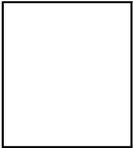
Etape 2

8 dL	5 dL	3 dL
		

Etape 3

8 dL	5 dL	3 dL
		

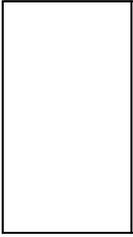
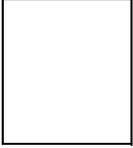
Etape 4

8 dL	5 dL	3 dL
		

Etape 5

8 dL	5 dL	3 dL
		

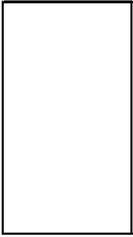
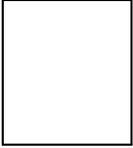
Etape 6

8 dL	5 dL	3 dL
		

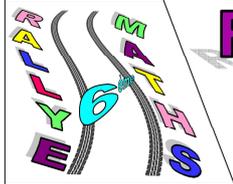
Etape 7

8 dL	5 dL	3 dL
		

Etape 8

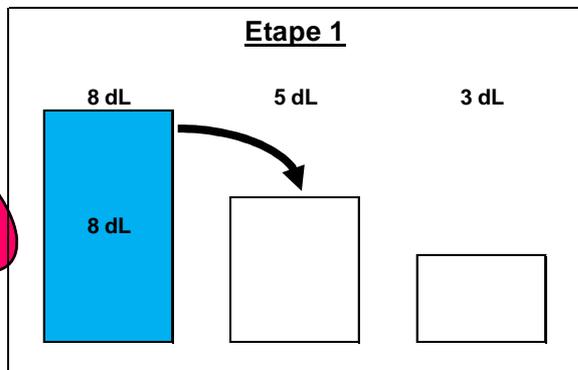
8 dL	5 dL	3 dL
		

Collège _____

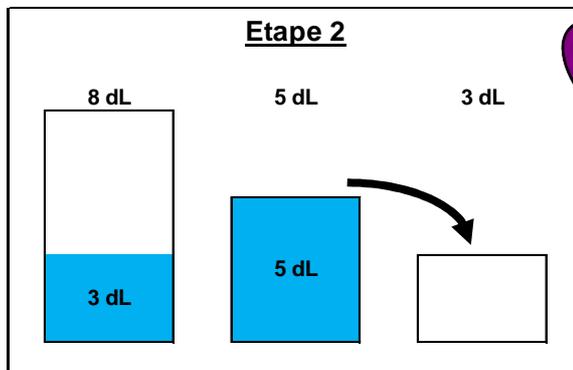


POUR ISOLER 2 dL

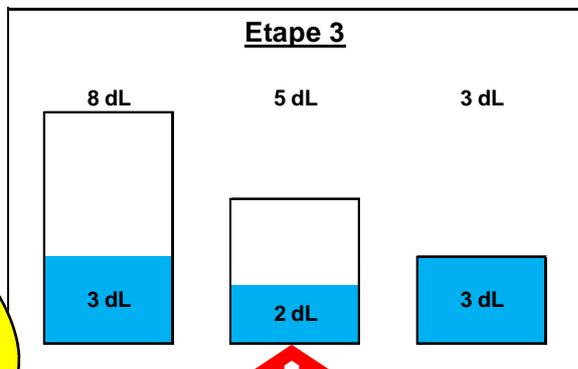
Etape 1



Etape 2



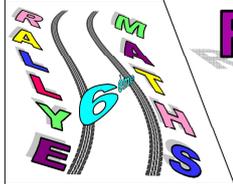
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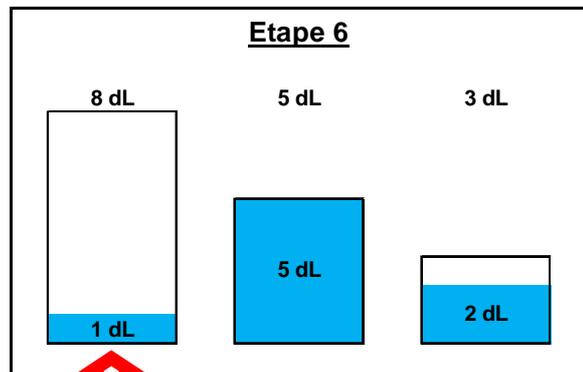
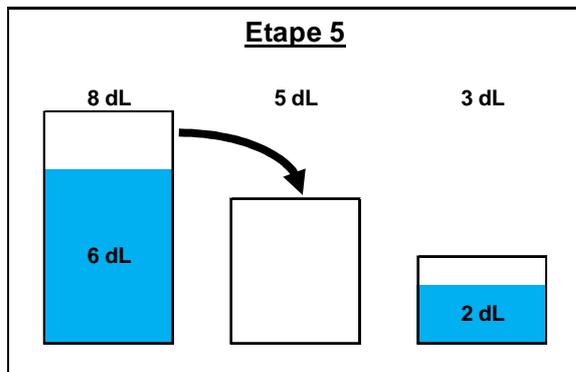
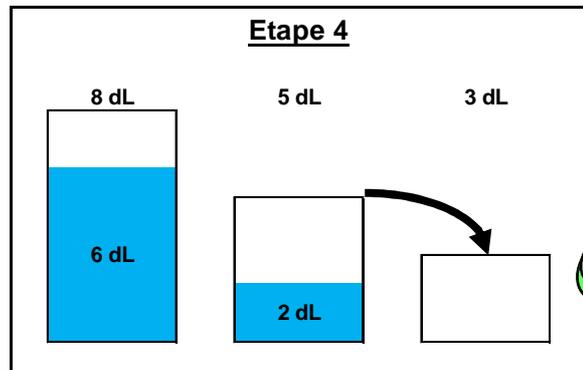
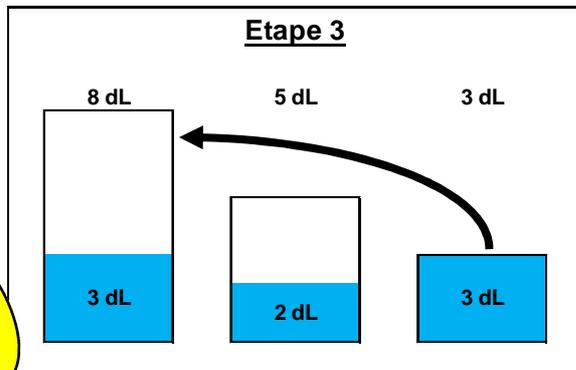
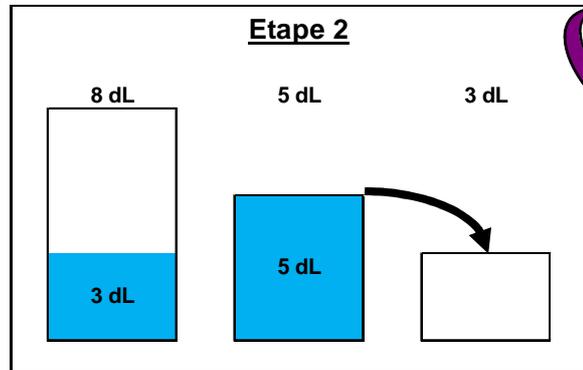
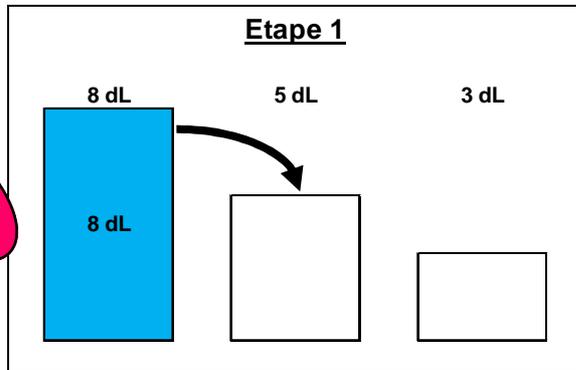
Ici on a
2 dL

BAREME :

20 points pour toute méthode juste



POUR ISOLER 1 dL

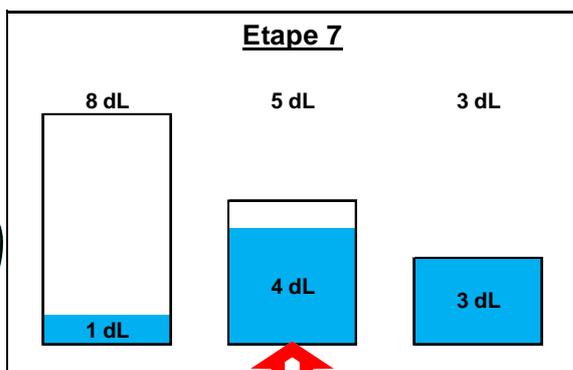
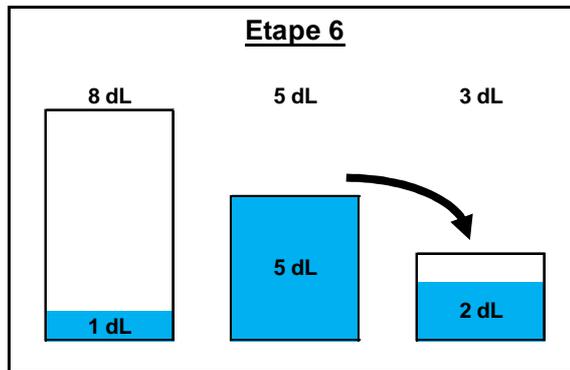
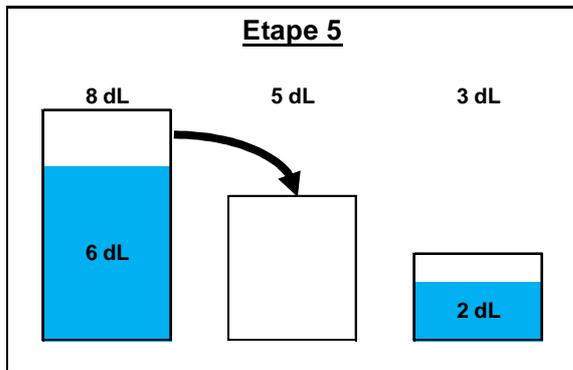
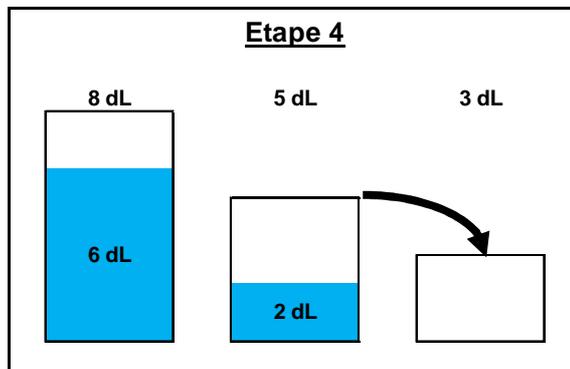
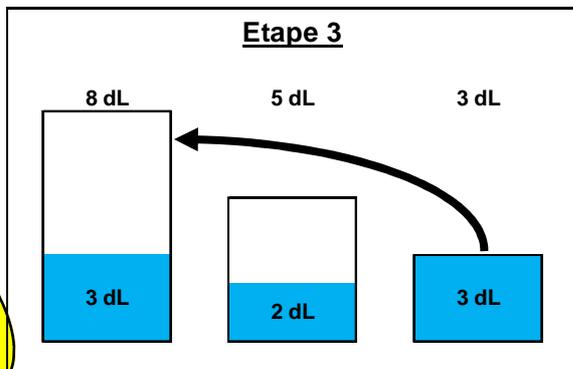
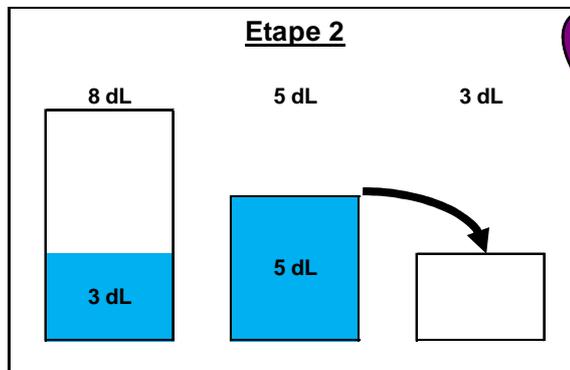
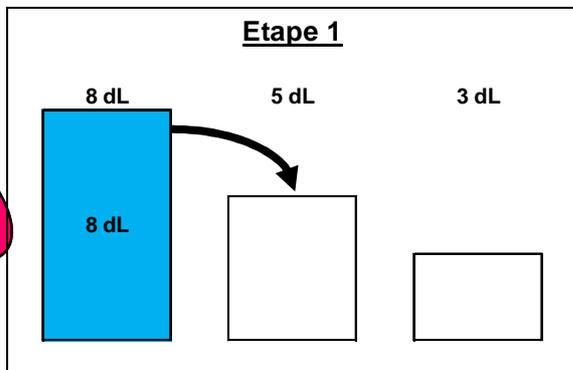


Ici on a
1 dL

BAREME :
20 points pour toute méthode juste



POUR ISOLER 4 dL



Ici on a
4 dL

BAREME :
20 points pour toute
méthode juste