

LES 12 TRAVAUX D'HERCULE

Objectifs :

- ✓ Les longueurs : Connaître les unités de mesure : m, km, cm, dm
- ✓ La géométrie : Reconnaître des angles droits
- ✓ La géométrie : Identifier le nombre de côtés et de sommets d'un polygone
- ✓ La géométrie : Identifier le nombre de faces, d'arêtes et de sommets d'un solide
- ✓ Les masses : Connaître les unités de mesure : kg, g
- ✓ Les heures : Connaître la correspondance « heures du matin » vs « heures de l'après-midi » / Connaître le lien entre heures et minutes

Règle du jeu :

Chaque élève dispose d'une planche de jeu de 12 cases : une pour chaque travaux d'Hercule.

A tour de rôle, un élève tire une carte, donne la réponse. S'il réussit, il pose sa carte sur la case correspondante (le bon travail d'Hercule).

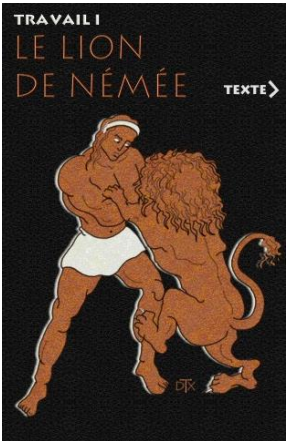
Pour l'impression du jeu :

Imprimer les planches en A5 (autant de fois que d'élèves dans le groupe). Imprimer les cartes en recto-verso

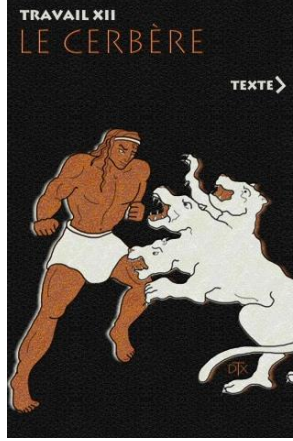
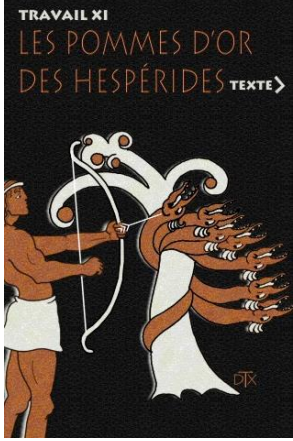
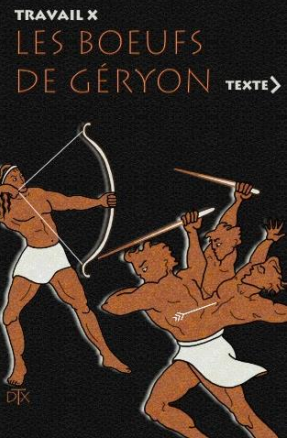
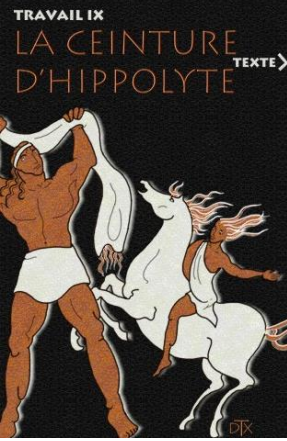
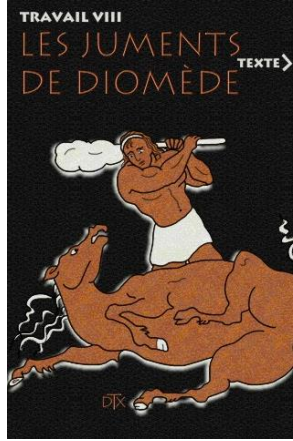
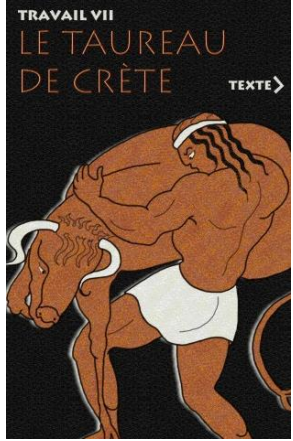
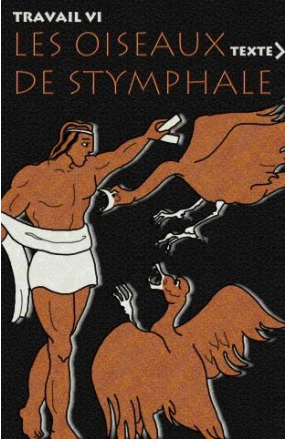
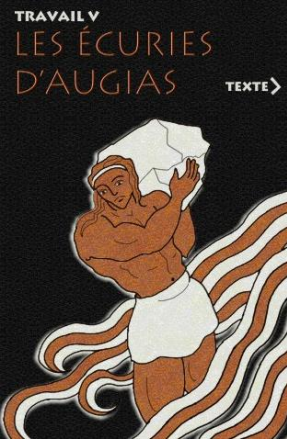
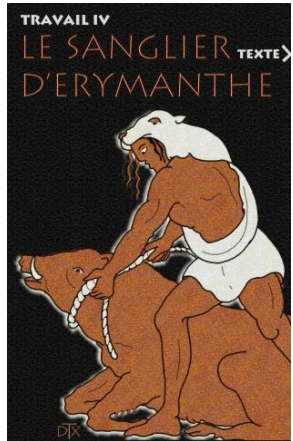
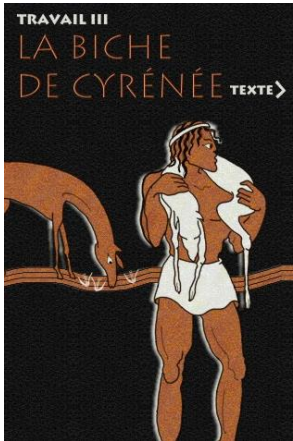
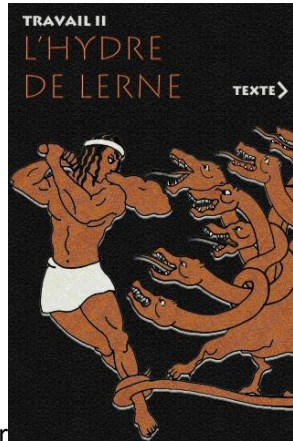
A quel moment faire ce jeu ?

En période 3 du CE2, au moment où toutes les notions de grandeurs et mesures ont déjà été vues une première fois et séparément. Il s'agit d'un travail de révision.

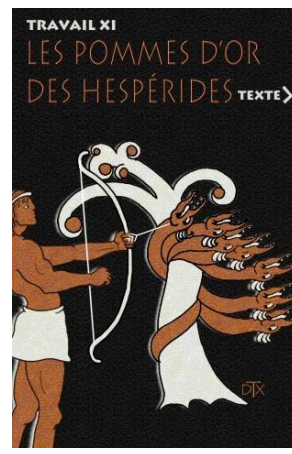
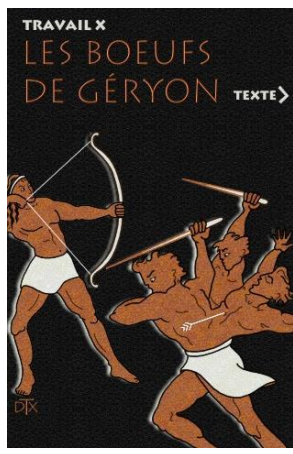
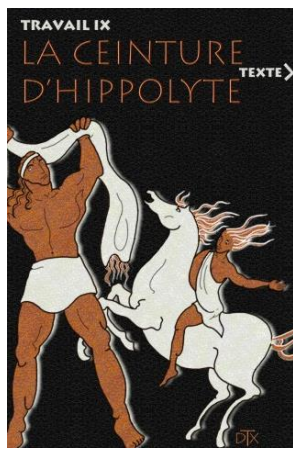
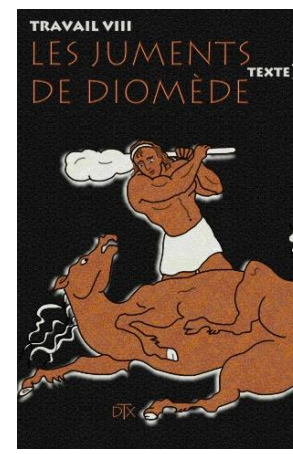
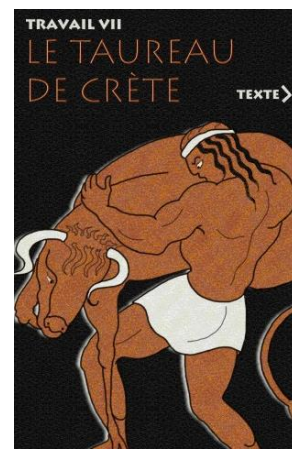
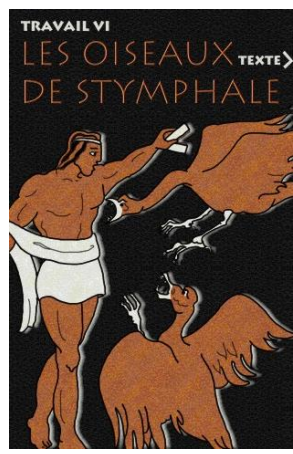
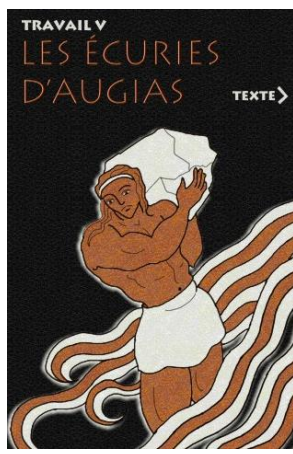
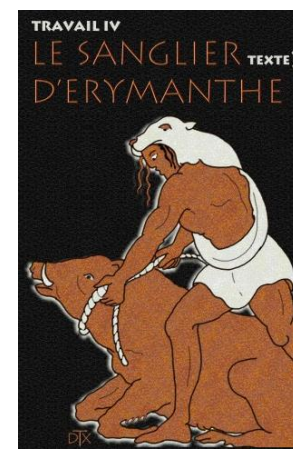
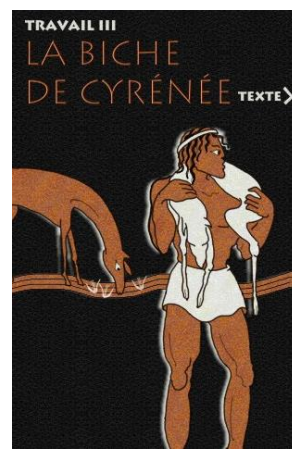
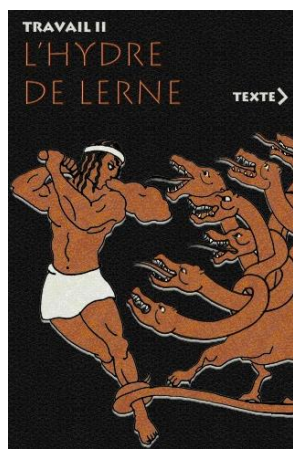
MA PLANCHE DE JEU : LES 12 TRAVAUX D'HERCULE



ddrr



MA PLANCHE DE JEU : LES 12 TRAVAUX D'HERCULE



$10 \text{ cm} = ? \text{ dm}$

$15 \text{ cm} = \dots \text{ dm}$
 $\text{et } \dots \text{ cm}$

$23 \text{ cm} = \dots \text{ dm}$
 $\text{et } \dots \text{ cm}$

$35 \text{ cm} = \dots \text{ dm}$
 $\text{et } \dots \text{ cm}$

$28 \text{ dm} = \dots \text{ dm}$
 $\text{et } \dots \text{ cm}$

$74 \text{ cm} = \dots \text{ dm}$
 $\text{et } \dots \text{ cm}$

$39 \text{ cm} = \dots \text{ dm}$
 $\text{et } \dots \text{ cm}$

$97 \text{ cm} = \dots \text{ dm}$
 $\text{et } \dots \text{ cm}$

$84 \text{ cm} = \dots \text{ dm}$
 $\text{et } \dots \text{ cm}$

$57 \text{ cm} = \dots \text{ dm}$
 $\text{et } \dots \text{ cm}$

$5 \text{ dm et } 3 \text{ cm}$
 $= ?$

$6 \text{ dm et } 5 \text{ cm}$
 $= ?$

$3 \text{ dm et } 8 \text{ cm}$
 $= ?$

$8 \text{ dm et } 4 \text{ cm}$
 $= ?$

$1 \text{ dm et } 7 \text{ cm}$
 $= ?$

$4 \text{ dm et } 9 \text{ cm}$
 $= ?$

$3 \text{ dm et } 7 \text{ cm}$
 $= ?$

$6 \text{ dm et } 4 \text{ cm}$
 $= ?$

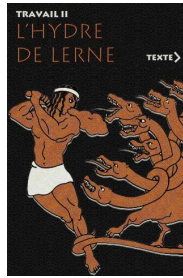
$5 \text{ dm et } 2 \text{ cm}$
 $= ?$

$2 \text{ dm et } 9 \text{ cm}$
 $= ?$

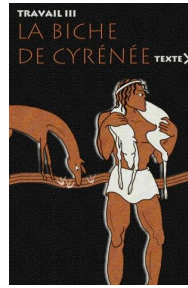
2 dm et 8 cm



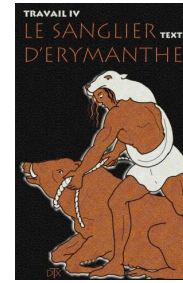
3 dm et 5 cm



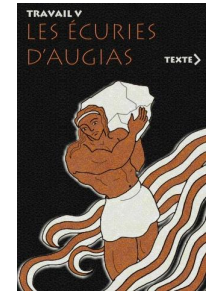
2 dm et 3 cm



1 dm et 5 cm



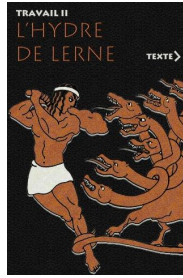
1 dm



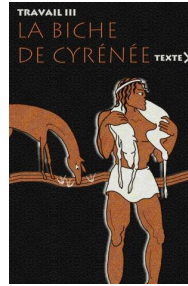
5 dm et 7 cm



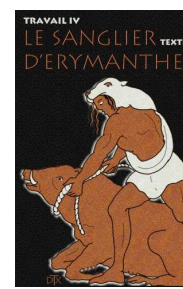
8 dm et 4 cm



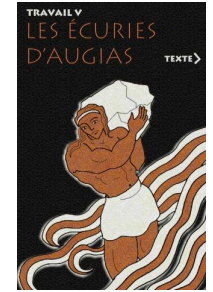
9 dm et 7 cm



3 dm et 9 cm



7 dm et 4 cm



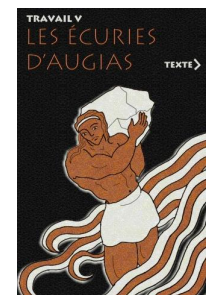
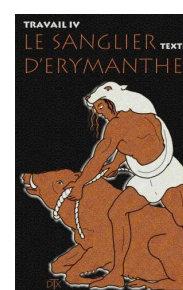
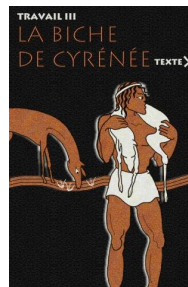
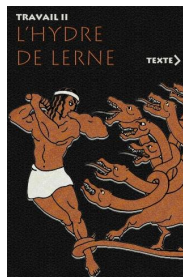
17 cm

84 cm

38 cm

65 cm

53 cm



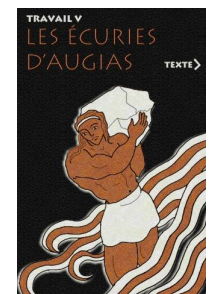
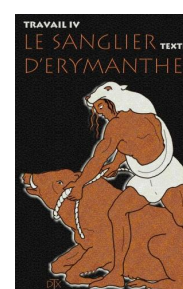
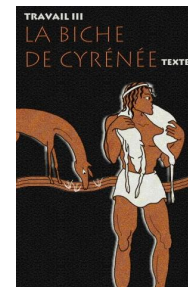
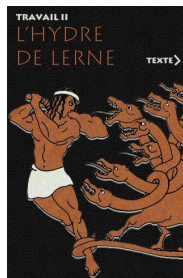
29 cm

52 cm

64 cm

37 cm

49 cm



$$1 \text{ m} = \dots \text{ cm}$$

$$1 \text{ m } 24 \text{ cm} = \dots \\ \text{cm}$$

$$1 \text{ m } 36 \text{ cm} = \dots \\ \text{cm}$$

$$1 \text{ m } 12 \text{ cm} = \dots \\ \text{cm}$$

$$1 \text{ m } 18 \text{ cm} = \dots \\ \text{cm}$$

$$3 \text{ m } 51 \text{ cm} = \dots \\ \text{cm}$$

$$2 \text{ m et } 15 \text{ cm} = \\ \dots \text{ cm}$$

$$2 \text{ m et } 87 \text{ cm} = \\ \dots \text{ cm}$$

$$5 \text{ m } 12 \text{ cm} = \dots \\ \text{cm}$$

$$3 \text{ m } 13 \text{ cm} = \dots \\ \text{cm}$$

$$345 \text{ cm} = \dots \text{ m} \\ \dots \text{ cm}$$

$$254 \text{ cm} = \dots \text{ m} \\ \dots \text{ cm}$$

$$124 \text{ cm} = \dots \text{ m } \dots \\ \text{cm}$$

$$254 \text{ cm} = \\ \dots \text{ m } \dots \text{ cm}$$

$$186 \text{ cm} = \\ \dots \text{ m } \dots \text{ cm}$$

$$534 \text{ cm} = \dots \text{ m} \\ \dots \text{ cm}$$

$$745 \text{ cm} = \dots \text{ m} \\ \dots \text{ cm}$$

$$345 \text{ cm} = \dots \text{ m } \dots \\ \text{cm}$$

$$342 \text{ cm} = \dots \text{ m} \\ \dots \text{ cm}$$

$$542 \text{ cm} = \dots \text{ m} \\ \dots \text{ cm}$$

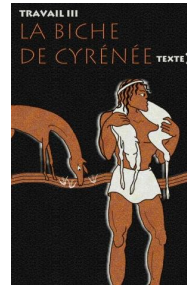
118 cm



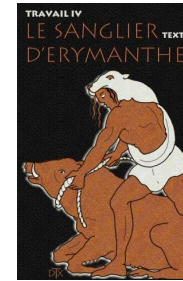
112 cm



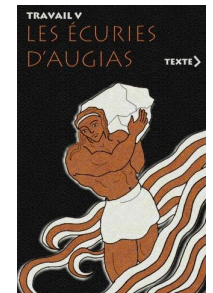
136 cm



124 cm



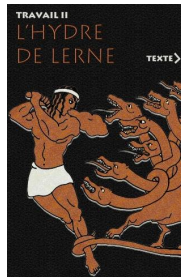
100 cm



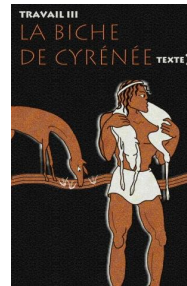
313 cm



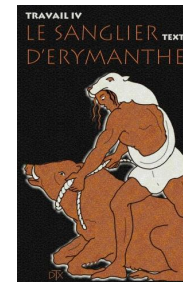
512 cm



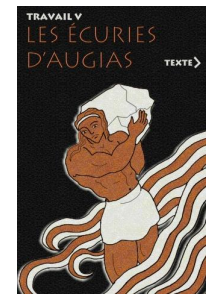
287 cm



215 cm



351 cm



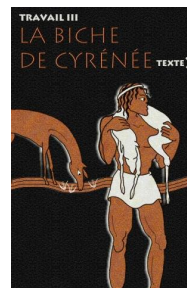
1 m 86 cm



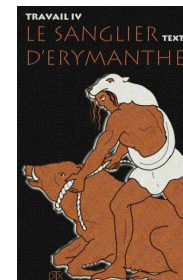
2 m 54 cm



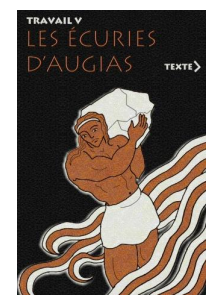
1 m 24 cm



2 m 54 cm



3 m 45 cm



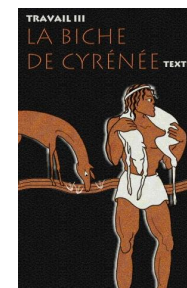
5 m 42 cm



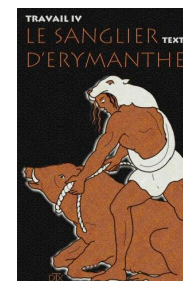
3 m 42 cm



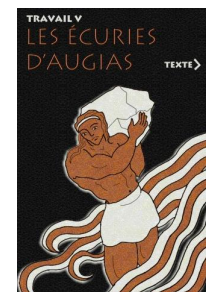
3 m 45 cm



7 m 45 cm



5 m 34 cm

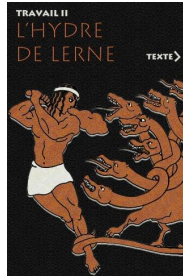


$3 \text{ km } 100 \text{ m}$ $= ? \text{ m}$	$4800 \text{ m} = \dots \text{ km}$ $\dots \text{ m}$	$8 \text{ km } 200 \text{ m}$ $= ? \text{ m}$	$1900 \text{ m} = \dots \text{ km}$ $\dots \text{ m}$	$2 \text{ km } 700 \text{ m}$ $= ? \text{ m}$
$3100 \text{ m} = \dots \text{ km}$ $\dots \text{ m}$	$4 \text{ km } 400 \text{ m}$ $= ? \text{ m}$	$6300 \text{ m} = \dots \text{ km}$ $\dots \text{ m}$	$3 \text{ km } 800 \text{ m}$ $= ? \text{ m}$	$9100 \text{ m} = \dots \text{ km}$ $\dots \text{ m}$
$4 \text{ km } 100 \text{ m}$ $= ? \text{ m}$	$3300 \text{ m} =$ $\dots \text{ km } \dots \text{ m}$	$5 \text{ km } 300 \text{ m}$ $= ? \text{ m}$	$1300 \text{ m} = \dots \text{ km}$ $\dots \text{ m}$	$3 \text{ km } 200 \text{ m}$ $= ? \text{ m}$
$4600 \text{ m} =$ $\dots \text{ km } \dots \text{ m}$	$7 \text{ km } 800 \text{ m}$ $= ? \text{ m}$	$7300 \text{ m} = \dots \text{ km}$ $\dots \text{ m}$	$5 \text{ km } 200 \text{ m}$ $= ? \text{ m}$	$8700 \text{ m} = \dots \text{ km}$ $\dots \text{ m}$

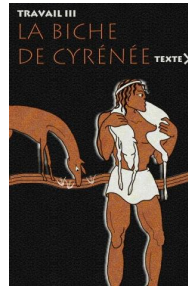
2700 m



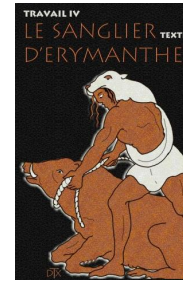
1 km 900 m



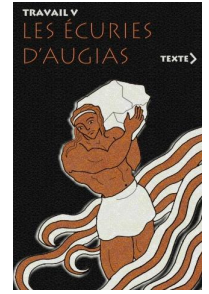
8200 m



4 km 800 m



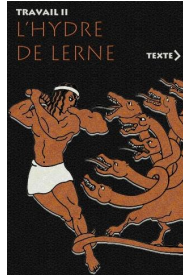
3100 m



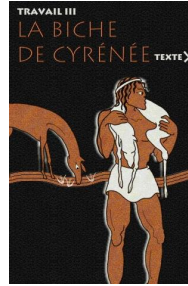
9 km 100 m



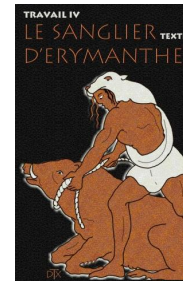
3800 m



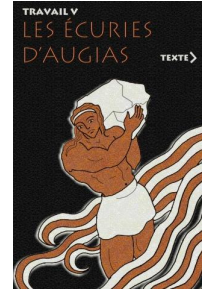
6 km 300 m



4400 m



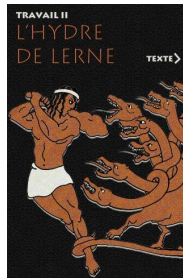
3 km 100 m



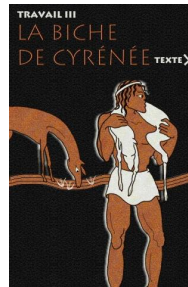
3200 m



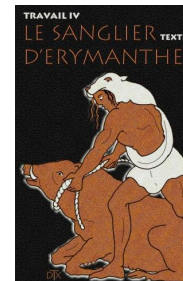
1 km 300 m



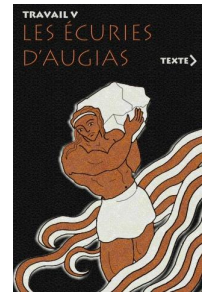
5300 m



3 km 300 m



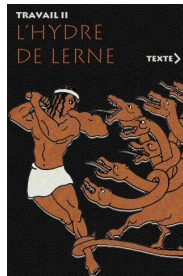
4100 m



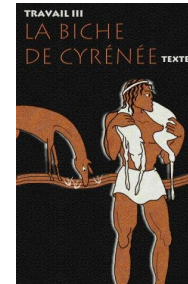
8 km 700 m



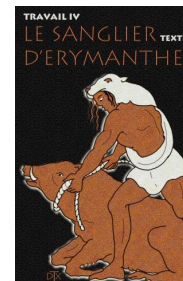
5200 m



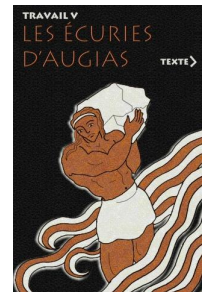
7 km 300 m



7800 m



4 km 600 m

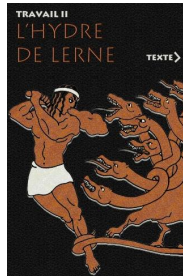


Le banc mesure 2 m ou 2 cm ?	Un pas fait 65 m ou 65 cm ?	Un crayon mesure 16 m ou 16 cm ?	Un crocodile mesure 40 m ou 4 m ?	Une maison mesure 8m ou 8 cm ?
Un arbre fait 3 m ou 3 cm ?	Un dé fait 20 cm ou 2 cm ?	Un cornet de glace fait 1 m ou 20 cm ?	Un violoncelle fait 1 m ou 1 cm ?	Un piano fait 40 cm ou 4 m ?
Une fenêtre mesure 50 cm de haut ou 1 m de haut ?	Une boite de mouchoir faire 20 cm de long ou 70 cm de	Le portail fait 30 cm de large ou 1 m de large ?	Le passage piéton fait 50 cm ou 5 m ?	Un adulte fait 180 cm ou 120 cm ?
Le tableau fait 1 m, 1 cm ou 1 km ?	Une abeille fait 1 cm, 1 m ou 1 km ?	Entre deux villages, il y a 1 cm, 1 m ou 1 km ?	Un bâton fait 1 m, 1 cm ou 1 km ?	Angle droit ou non ? 

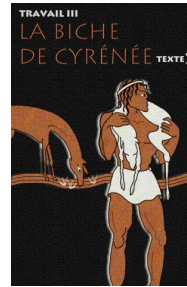
8 m



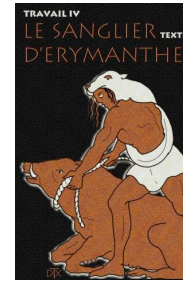
4 m



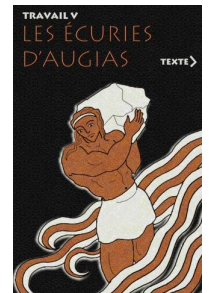
16 cm



65 cm



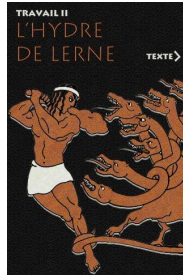
2 m



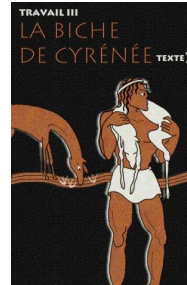
4 m



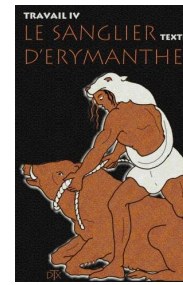
1 m



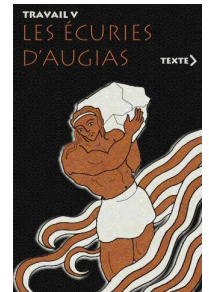
20 cm



2 cm



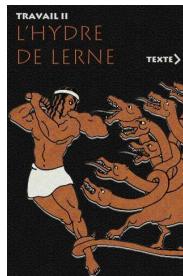
3 m



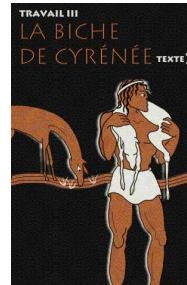
180 m



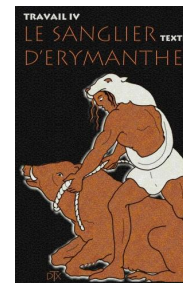
5 m



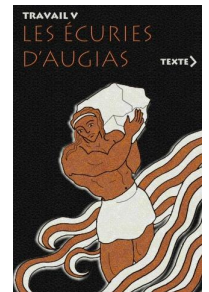
1 m



2 cm



1 m



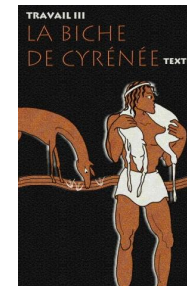
Non



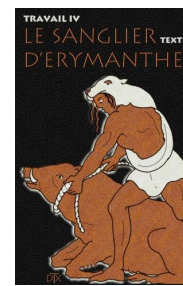
1 m



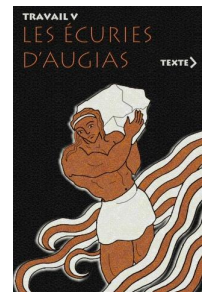
1 km



1 cm



1 m



Angle droit ou non ?



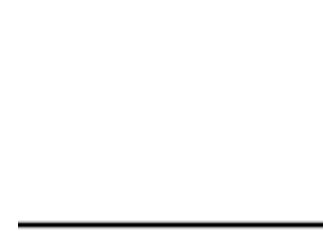
Angle droit ou non ?



Angle droit ou non ?



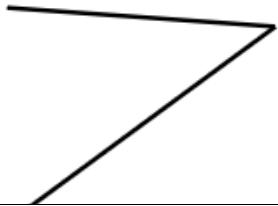
Angle droit ou non ?



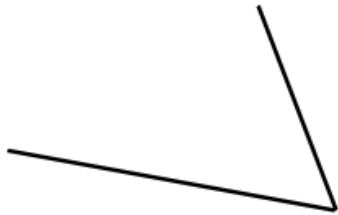
Angle droit ou non ?



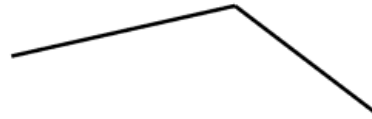
Angle droit ou non ?



Angle droit ou non ?



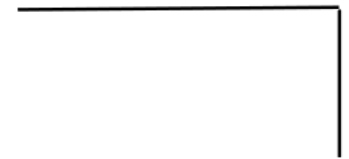
Angle droit ou non ?



Angle droit ou non ?



Angle droit ou non ?



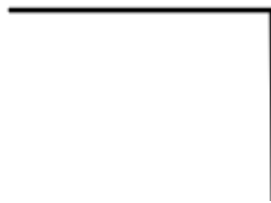
Angle droit ou non ?



Angle droit ou non ?



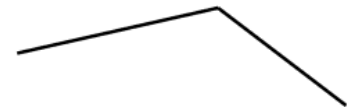
Angle droit ou non ?



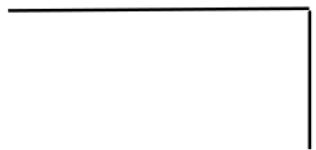
Angle droit ou non ?



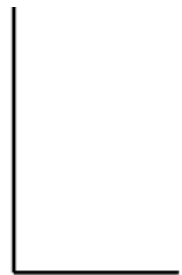
Angle droit ou non ?



Angle droit ou non ?



Angle droit ou non ?



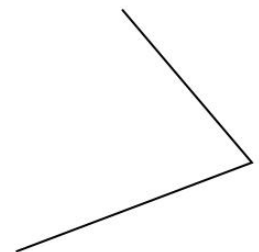
Angle droit ou non ?



Angle droit ou non ?



Angle droit ou non ?



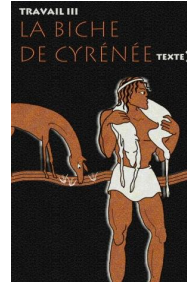
Oui



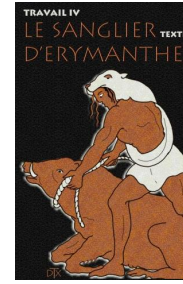
Oui



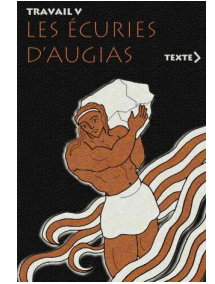
Oui



Oui



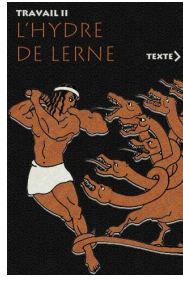
Oui



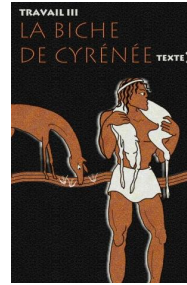
Oui



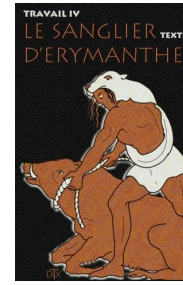
Non



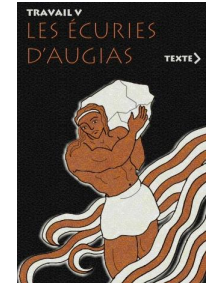
Non



Non



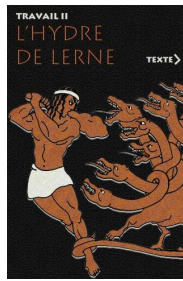
Non



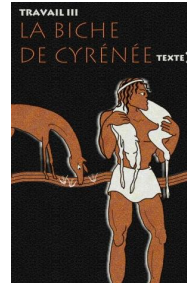
Non



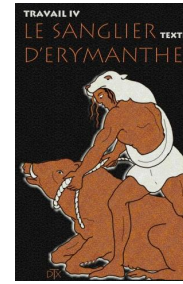
Non



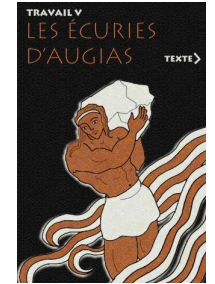
Oui



Oui



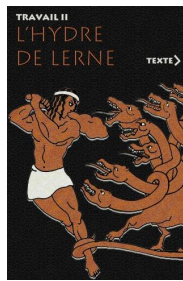
Non



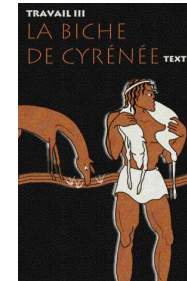
Non



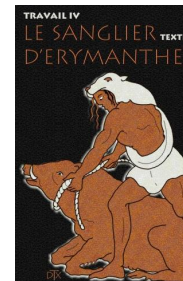
Non



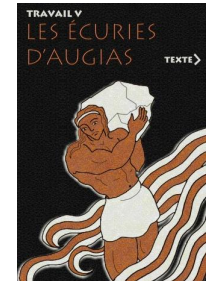
Non



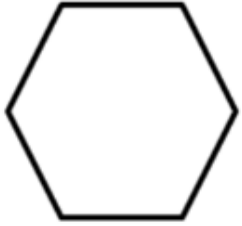
Oui



Oui



Combien de côtés ?



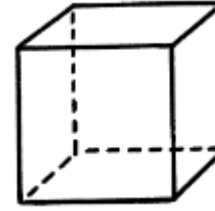
Combien de sommets ?



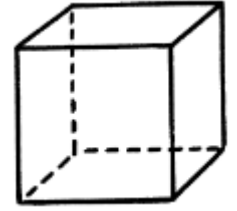
Combien d'angles ?



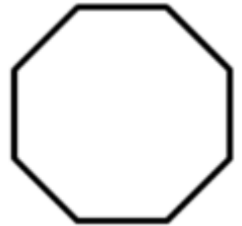
Combien de faces ?



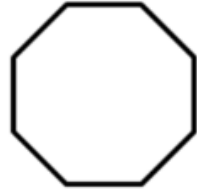
Combien d'arêtes ?



Combien de côtés ?



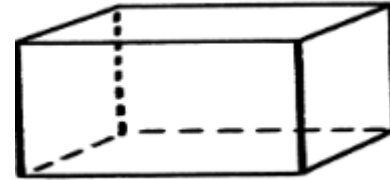
Combien de sommets ?



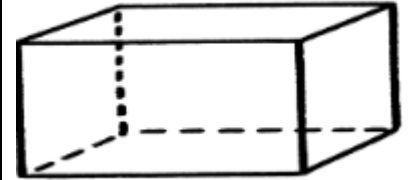
Combien d'angles ?



Combien de faces ?



Combien d'arêtes ?



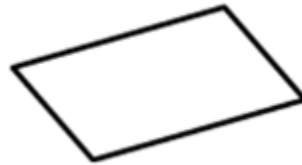
Combien de côtés ?



Combien de sommets ?



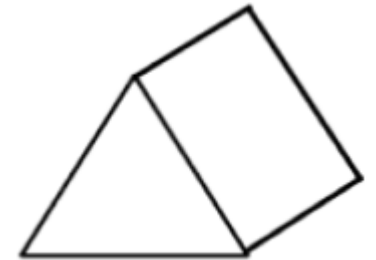
Combien d'angles ?



Combien de faces ?



Combien d'arêtes ?



Combien de côtés ?



Combien de sommets ?



Combien d'angles ?



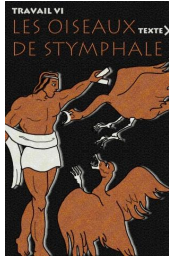
Combien de faces ?



Combien d'arêtes ?



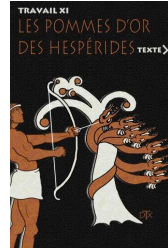
12



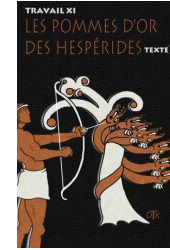
6



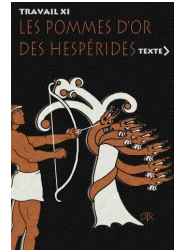
6



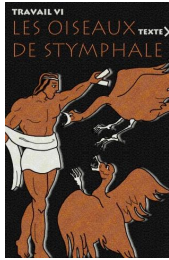
6



6



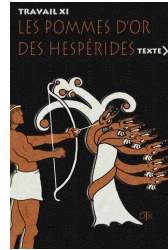
12



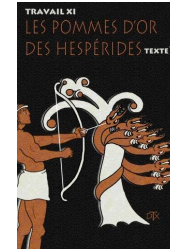
6



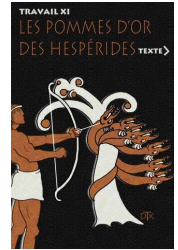
8



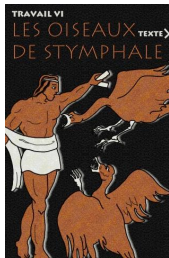
8



8



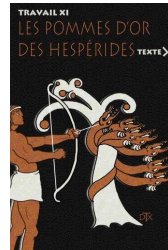
8



5



4



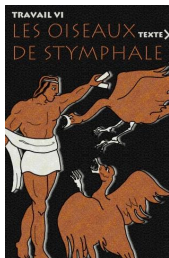
4



4



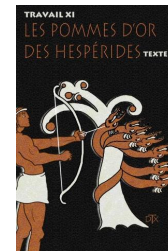
8



5



5



5



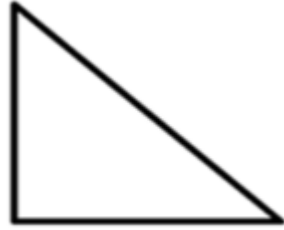
5



Polygones ou non ?



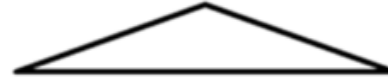
Polygones ou non ?



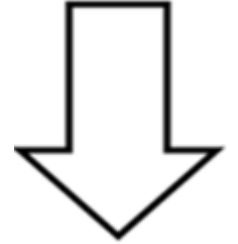
Polygones ou non ?



Polygones ou non ?



Polygones ou non ?



Polygones ou non ?



Polygones ou non ?



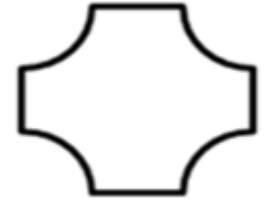
Polygones ou non ?



Polygones ou non ?



Polygones ou non ?



Combien de côtés ?



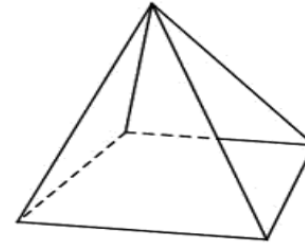
Combien de sommets ?



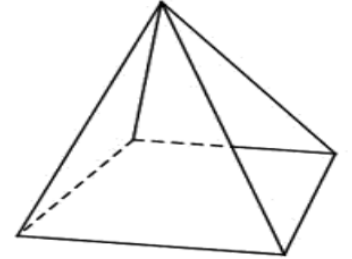
Combien d'angles ?



Combien de faces ?



Combien d'arêtes ?



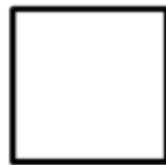
Combien de côtés ?



Combien de sommets ?



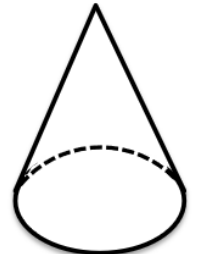
Combien d'angles ?



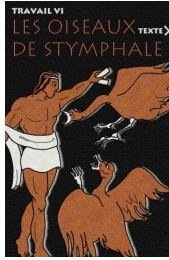
Combien de faces ?



Combien d'arêtes ?



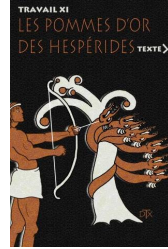
Oui



Oui



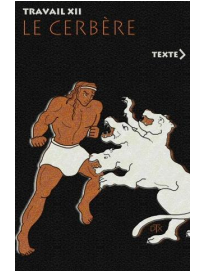
Oui



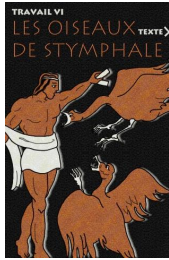
Oui



Oui



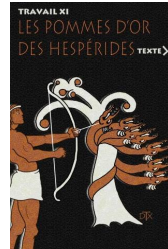
Non



Non



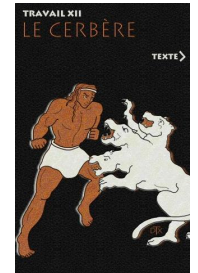
Non



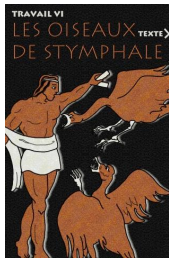
Non



Non



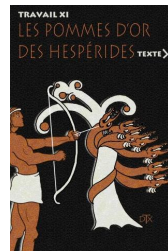
8



5



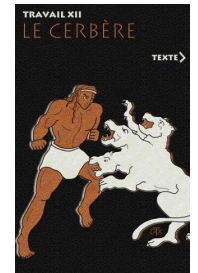
3



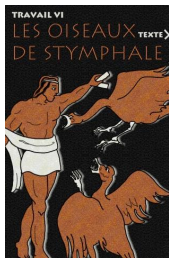
3



3



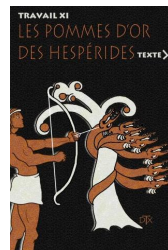
2



2



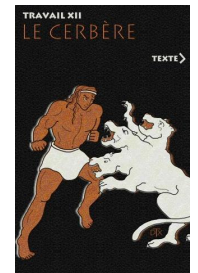
4



4



4



$$3 \text{ kg} = ? \text{ g}$$

$$1500 \text{ g} = \dots \\ \text{kg} \dots \text{g}$$

$$2 \text{ kg } 180 \text{ g} \\ = ? \text{ g}$$

$$1240 \text{ g} = \dots \\ \text{kg} \dots \text{g}$$

$$2800 \text{ g} = \dots \\ \text{kg} \dots \text{g}$$

$$5 \text{ kg} = ? \text{ g}$$

$$7 \text{ kg } 200 \text{ g} \\ = ? \text{ g}$$

$$1300 \text{ g} = \dots \\ \text{kg} \dots \text{g}$$

$$6 \text{ kg } 140 \text{ g} \\ = ? \text{ g}$$

$$2310 \text{ g} = \dots \\ \text{kg} \dots \text{g}$$

$$5400 \text{ g} = \\ \dots \text{ kg} \dots \text{ g}$$

$$2 \text{ kg} = ? \text{ g}$$

$$4 \text{ kg } 300 \text{ g} \\ = ? \text{ g}$$

$$1700 \text{ g} = \dots \\ \text{kg} \dots \text{g}$$

$$1 \text{ kg } 170 \text{ g} \\ = ? \text{ g}$$

$$1370 \text{ g} = \dots \\ \text{kg} \dots \text{g}$$

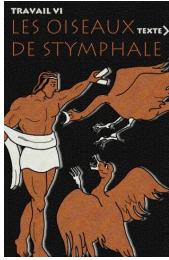
$$2200 \text{ g} = \dots \\ \text{kg} \dots \text{g}$$

$$8 \text{ kg} = ? \text{ g}$$

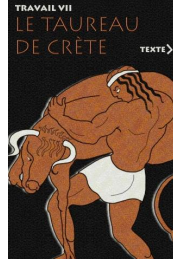
$$5 \text{ kg } 600 \text{ g} \\ = ? \text{ g}$$

$$1500 \text{ g} = \dots \\ \text{kg} \dots \text{g}$$

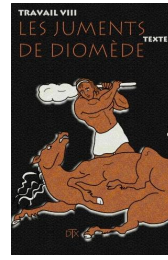
2 kg 800 g



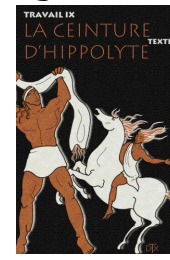
1 kg 240 g



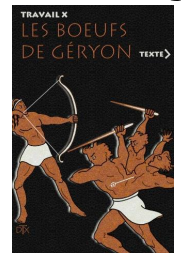
2180 g



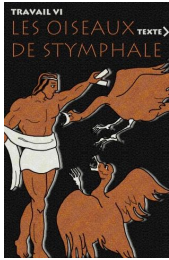
1 kg 500 g



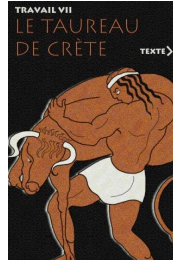
3000 g



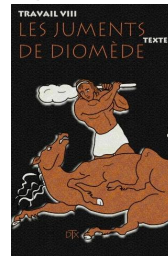
2 kg 310 g



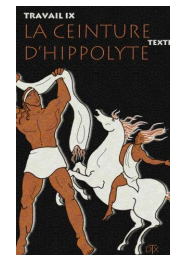
6140 g



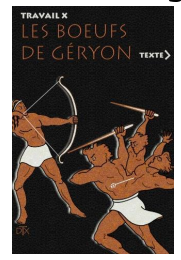
1 kg 300 g



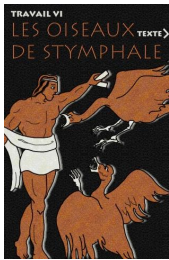
7200 g



5000 g



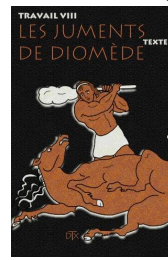
1170 g



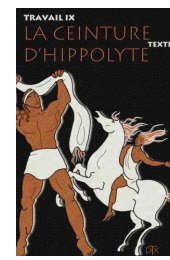
1 kg 700 g



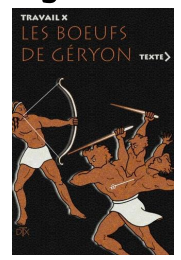
4300 g



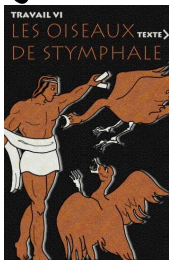
2000 g



5 kg 400 g



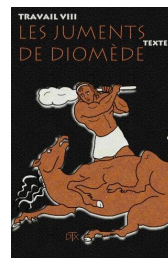
1 kg 500 g



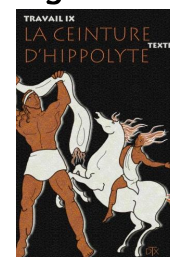
5600 g



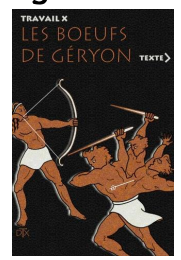
8000 g



2 kg 200 g

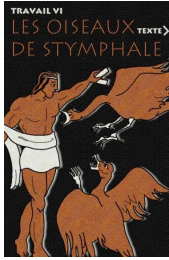


1 kg 370 g

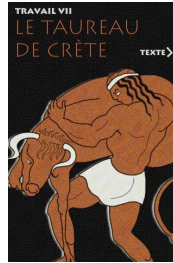


1 h 15, l'après-midi	2h 30, l'après-midi	3h 45, l'après-midi	4h, l'après- midi	5h15, l'après- midi
6h30, le soir	7h45, le soir	8h, le soir	9h15, le soir	10h30, le soir
11h45, le soir	1h30, l'après-midi,	2h45, l'après- midi	3h30, l'après-midi	4h15, l'après- midi
5h30, l'après-midi	6h00, le soir	7h15, le soir	8h30, le soir	9h45, le soir

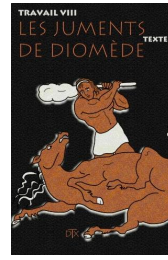
17h15



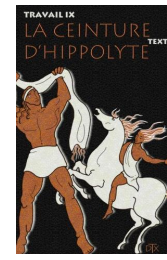
16h



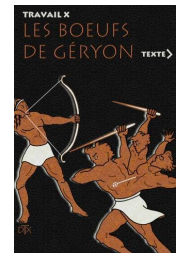
15h45



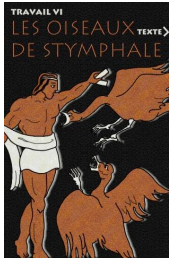
14h30



13h15



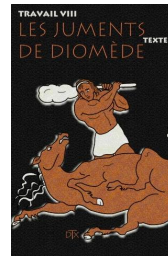
22h30



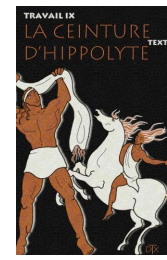
21h15



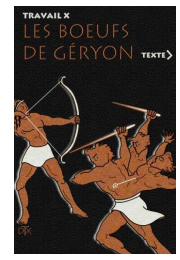
20h



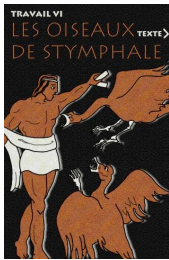
19h45



18h30



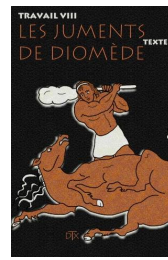
16h15



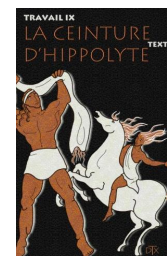
15h30



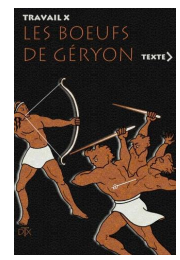
14h45



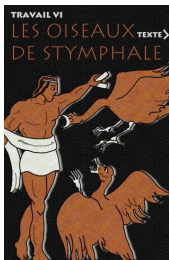
13h30



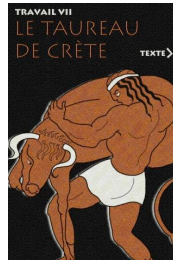
23h45



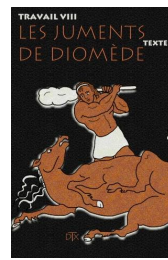
21h45



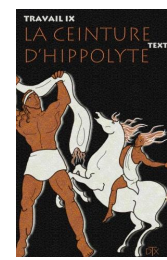
20h30



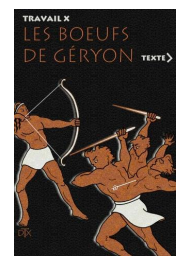
19h15



18h

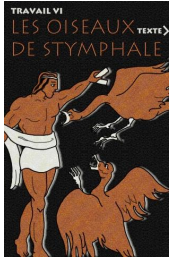


17h30

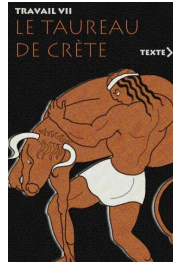


10 h 15, le soir	11h 30, l'après-midi	1h 45, l'après- midi	2h, l'après- midi	3h15, l'après- midi
4h30, le soir	5h45, le soir	6h15, le soir	7h15, le soir	8h30, le soir
9h45, le soir	10h45, le soir	11h15, le soir	3h10, l'après- midi	4h25, l'après-midi
5h40, l'après-midi	6h05, le soir	7h05, le soir	8h35, le soir	9h55, le soir

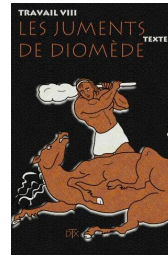
15h15



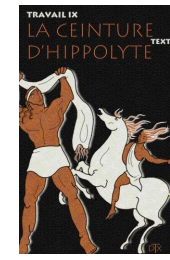
14h



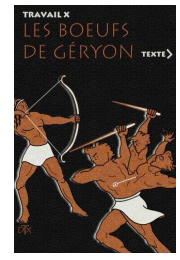
13h45



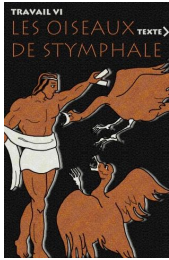
23h30



22h15



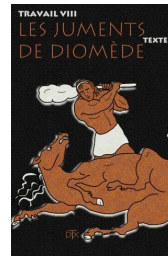
20h30



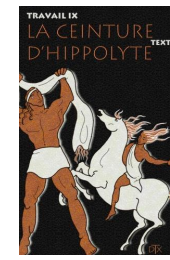
19h15



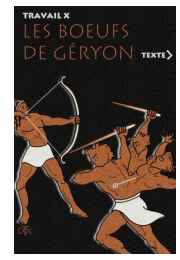
18h15



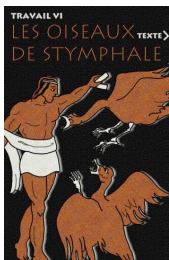
17h45



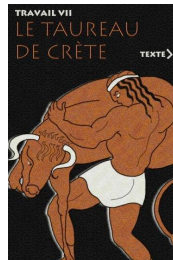
16h30



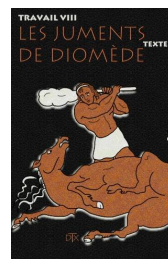
16h25



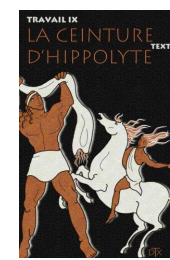
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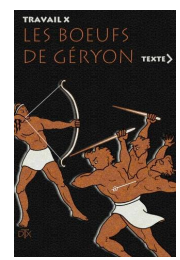
23h15



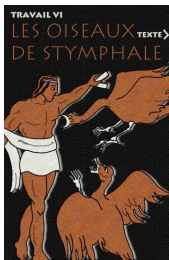
22h45



21h45



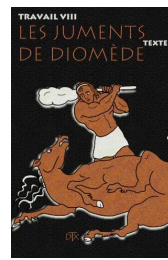
17h40



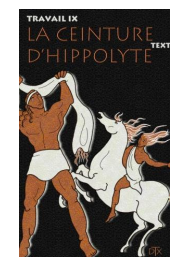
19h05



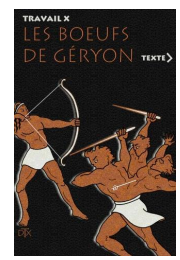
19h05



20h35



21h55



1h = ? min	2 h = ? min	3h = ? min	4 h = ? min	5 h = ? min
6 = ? min	7 = ? min	1 h 15 = ? min	2 h 15 = ? min	3 h 15 = ? min
4 h 15 = ? min	5 h 15 = ? min	1 h 30 = ? min	2 h 30 = ? min	3 h 30 = ? min
4 h 30 = ? min	5 h 30 = ? min	1 h 45 = ? min	2 h 45 = ? min	3 h 45 = ? min

4 h 45 = ?

min

5 h 45 = ?

min

1 h 10 = ?

min

2 h 10 = ?

min

3 h 10 = ?

min

4 h 10 = ?

min

5 h 10 = ?

min

1 h 20 = ?

min

2 h 20 = ?

min

3 h 20 = ?

min

4 h 20 = ?

min

5 h 20 = ?

min

1 h 40 = ?

min

2 h 40 = ?

min

3 h 40 = ?

min

4 h 40 = ?

min

5 h 40 = ?

min

1 h 50 = ?

min

2 h 50 = ?

min

3 h 50 = ?

min

