MAT-P104-4 : REPRÉSENTATIONS GÉOMÉTRIQUES

SA2 Aménagement de ta chambre à coucher

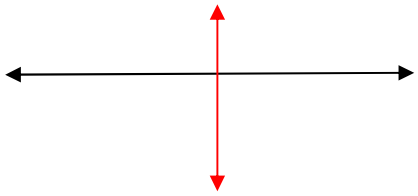
Production de représentations de l'environnement physique à l'aide de constructions simples et de décomposition de figures

CLÉ DE CORRECTION

1. LES DROITES PERPENDICULAIRES

Exercice 1

a)



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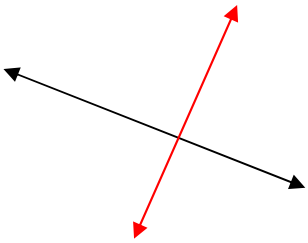

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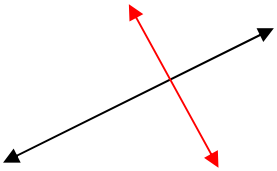
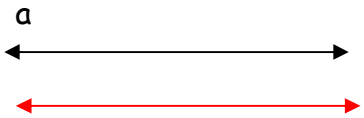


2. LES DROITES PARALLÈLES

Exercice 2

a)



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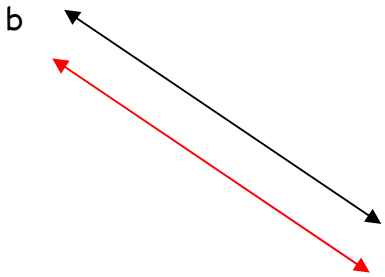
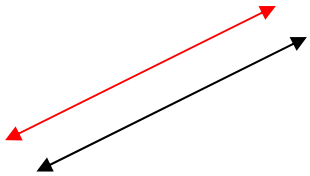


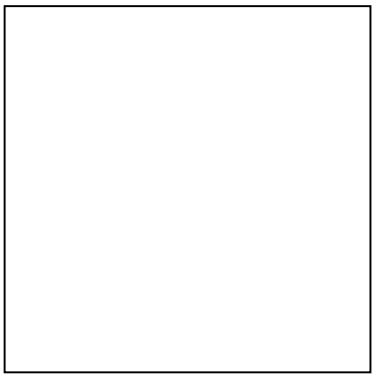
c) Construis une droite parallèle à la droite C



3. LE CARRÉ

Exercice 3

a) Carré A : 5 cm



b) Carré B : 4,2 cm

c) Carré C : 6,5 cm

4. LE RECTANGLE

Exercice 4

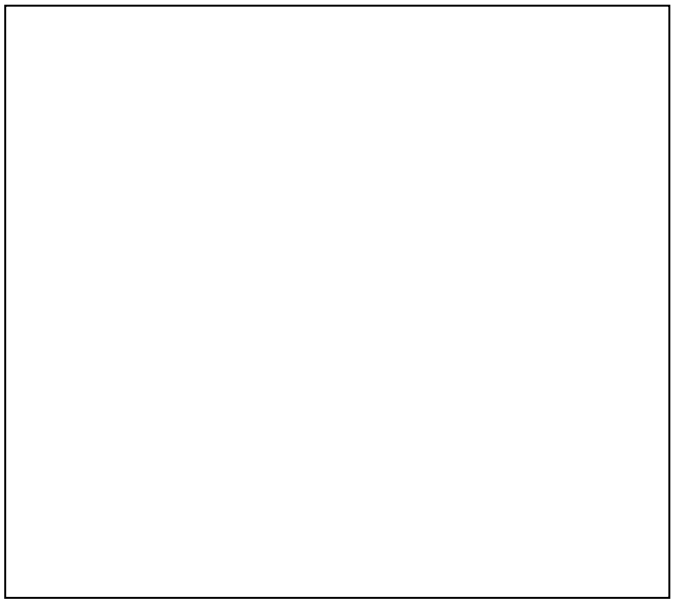
	A	B	C
Longueur	13 cm	8 cm	9 cm
largeur	7 cm	6 cm	8 cm

a)

13 cm x 7 cm

b) 8cm x 6 cm

c) 9 cm x 8 cm



5. LE CERCLE

Exercice 5

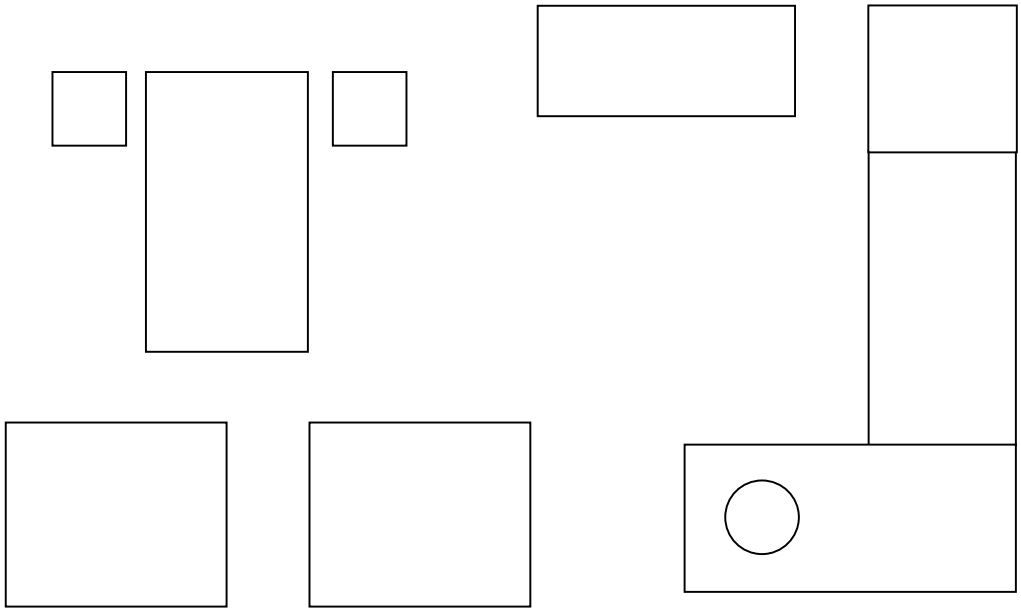
Voir le travail de l'élève.

Qu'observes-tu ? **On obtient le même cercle**

Explique ton observation : **Le diamètre = 2 fois le rayon**

Exercice 6

Exemple de solution

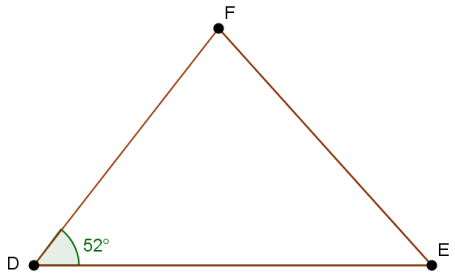


6. LE TRIANGLE

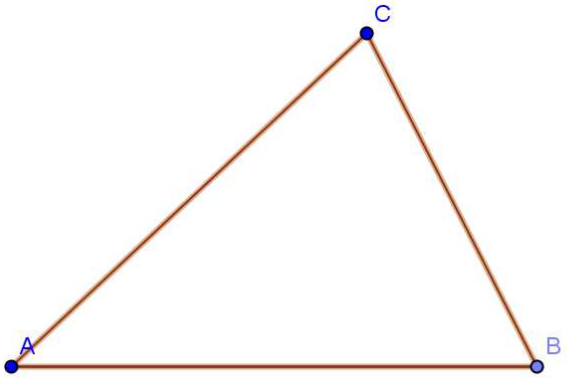
6.1 Le triangle scalène

<u>Triangle scalène dont on connaît la longueur de 2 côtés adjacents et l'angle entre ces 2 côtés</u>

Le triangle DEF tel que
$m\overline{DE} = 5{,}3$ cm; $m\overline{DF} = 4$ cm et $m\angle EDF = 52°$.

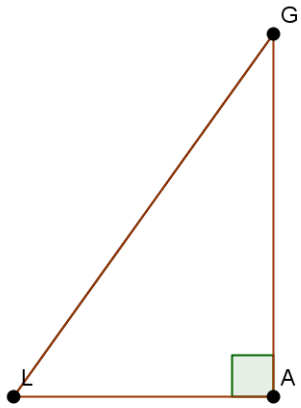


Exercice 7



6.2 Le triangle rectangle

Exercice 8

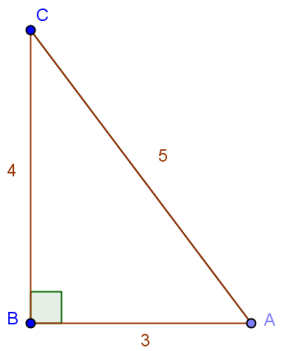


Où sont tes difficultés **?** **Tracer le côté LG (réponse possible)**
Est-ce un problème pour toi de tracer un angle droit?

As-tu besoin d'une démonstration pour faire ce triangle? _____

Exercice 9

a)



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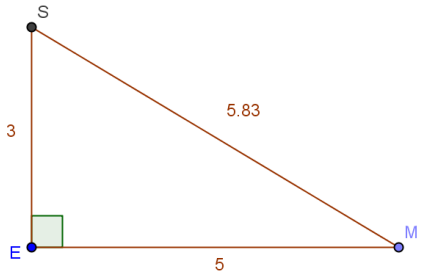
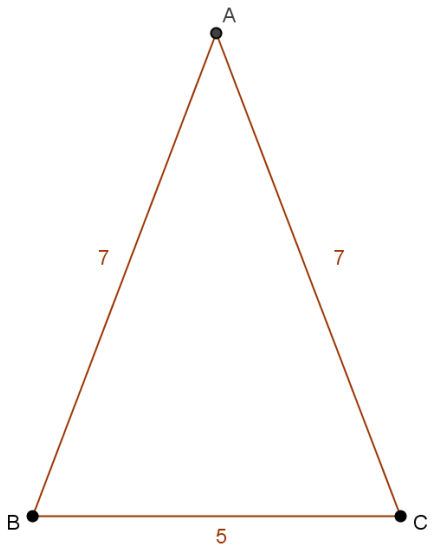


6.3 Les triangles isocèles et équilatéraux

Exercice 10

a)



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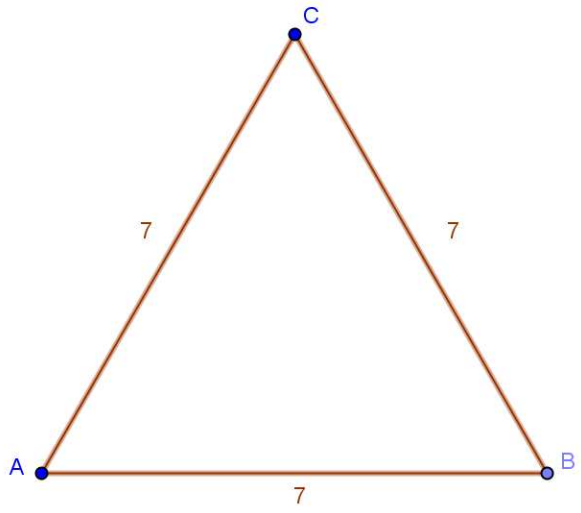


7. LE LOSANGE

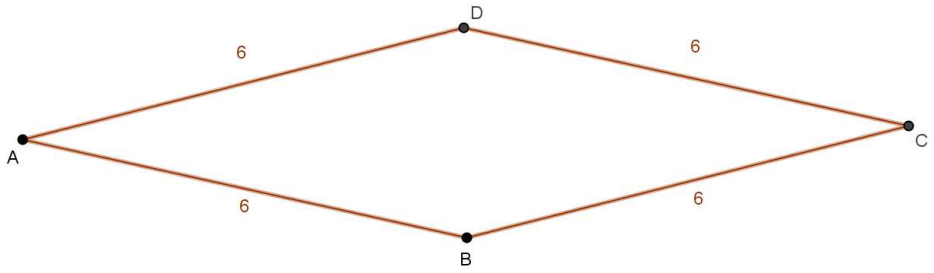
Regardons maintenant la construction d'un losange puisque dans ta chambre, tu possèdes une lampe dont la forme est celle d'un losange.

Que te rappelles-tu des côtés du losange ?
Le losange a 4 côtés égaux

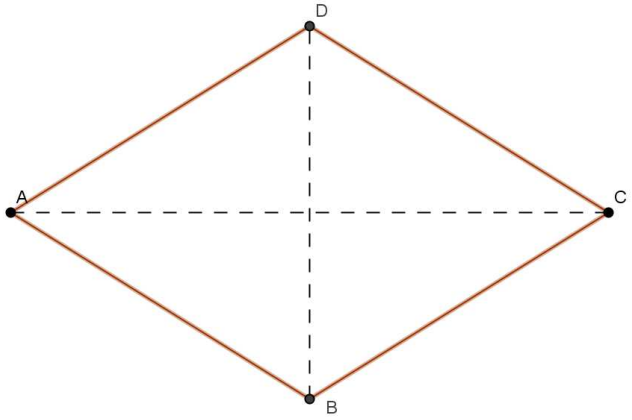
Que dire des angles d'un losange ?

Les angles opposés sont égaux

Exercice 11



Exercice 12



Exercice 13

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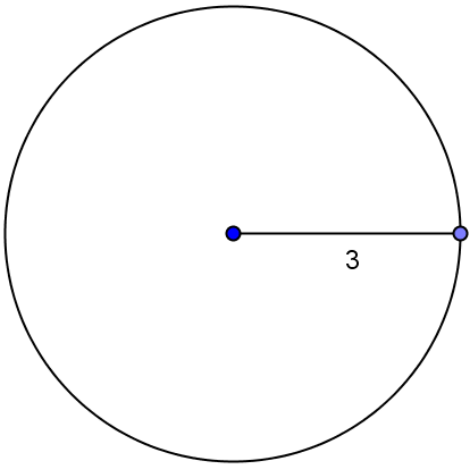

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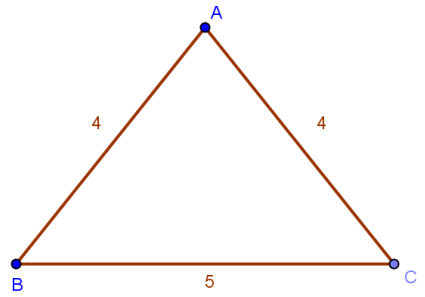

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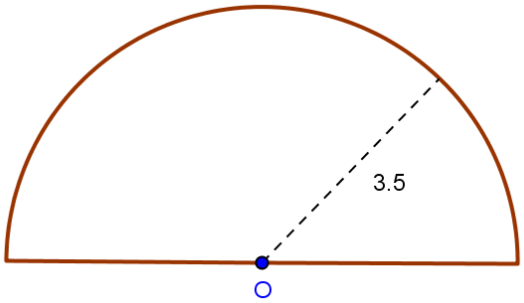

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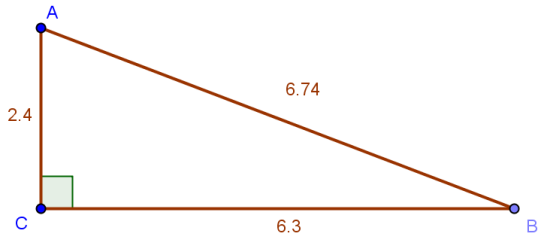

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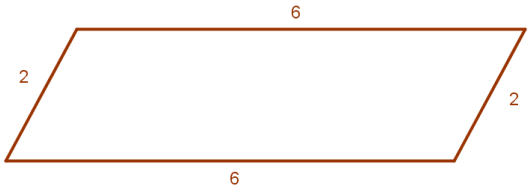

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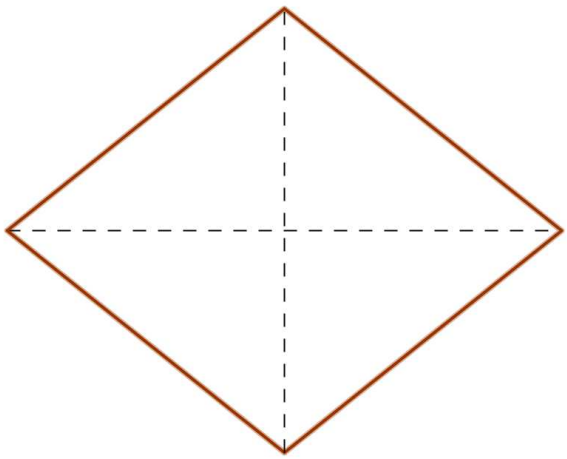
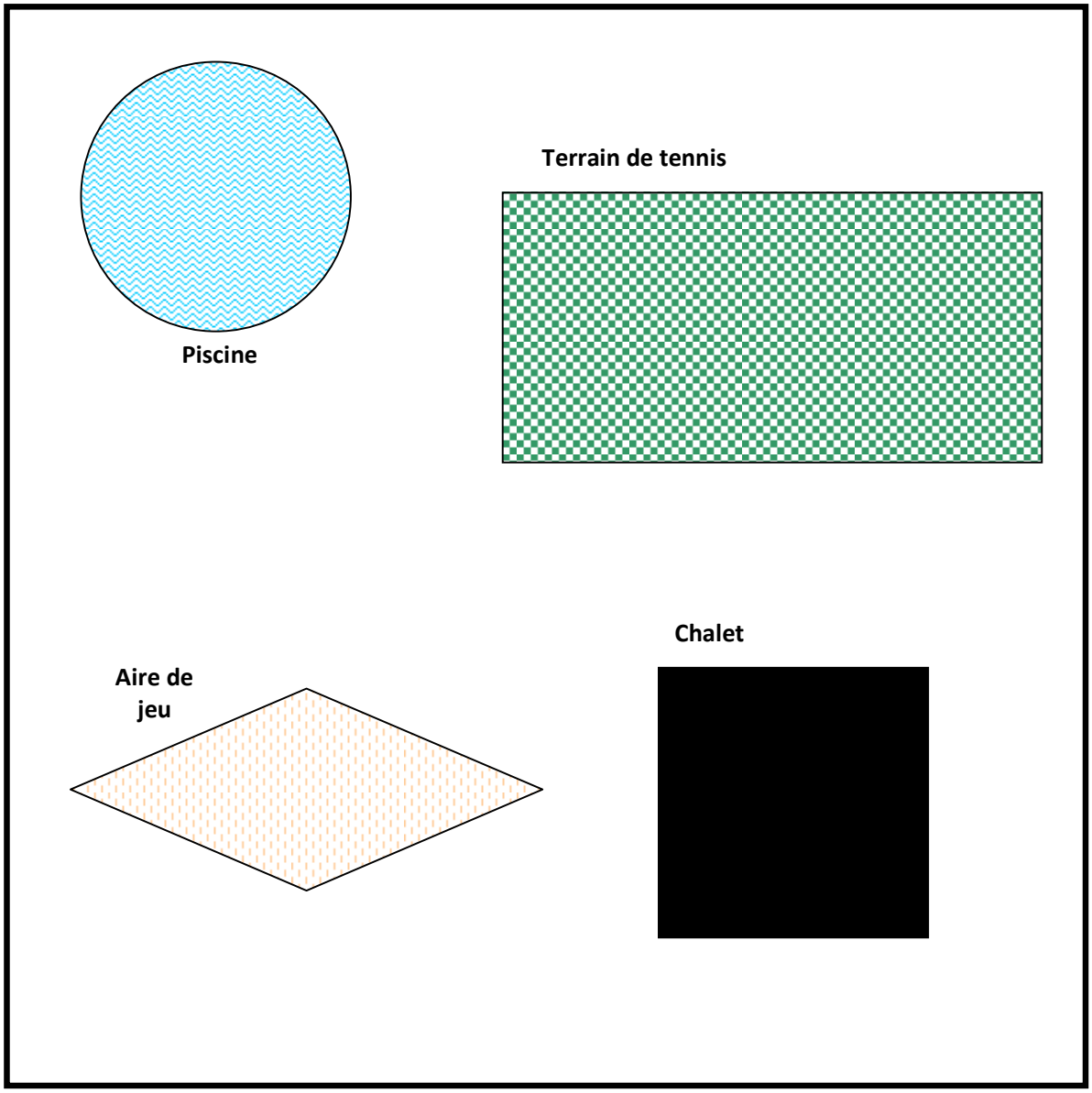


Mise en pratique dans d'autres contextes

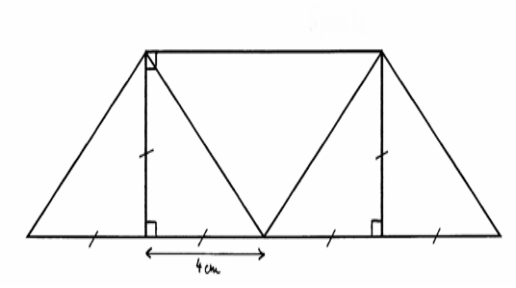
UN EMPLOI D'ÉTÉ JUDICIEUX!

Exemple de solution attendue



UN CONCOURS DE DESSIN

Figure A



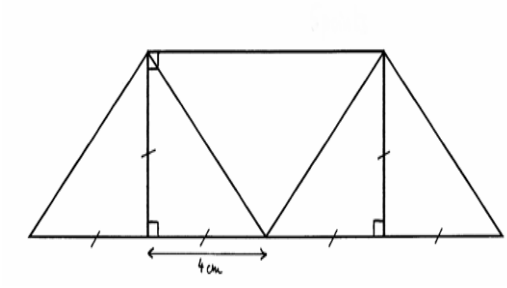
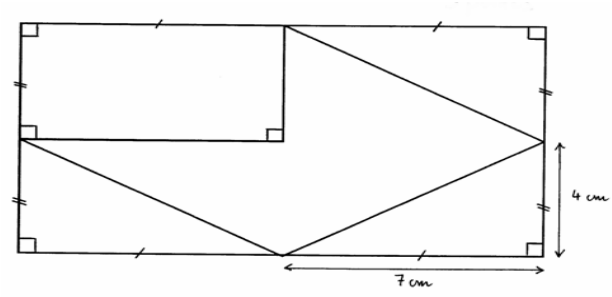


Figure B



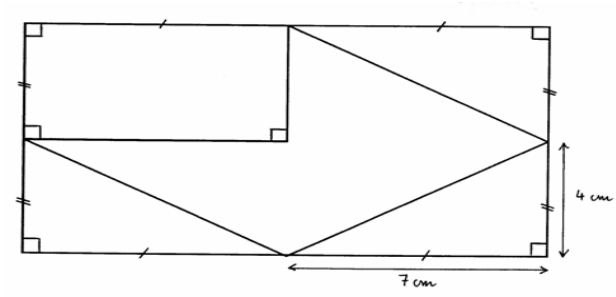
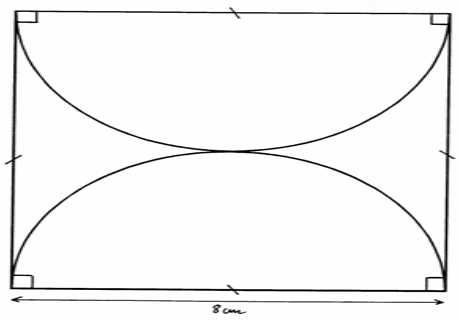


Figure C



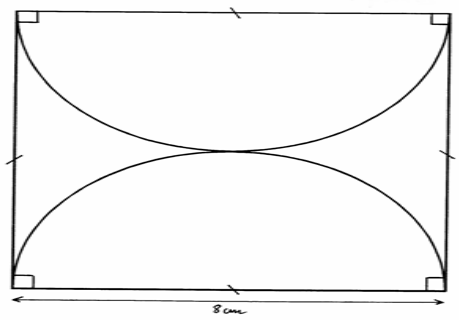
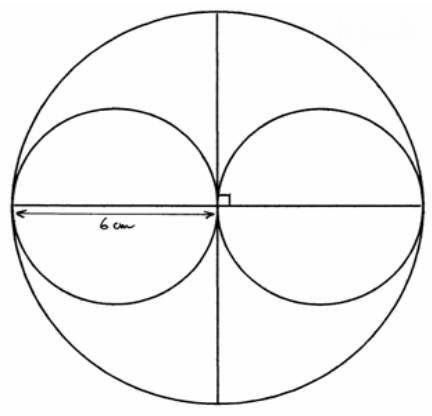
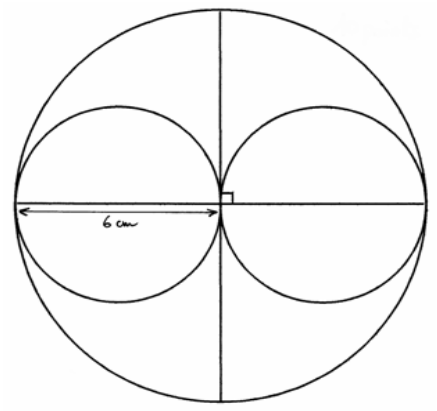


Figure D





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