CM2

Nom : ......................... Prénom : ................... Date : ........................

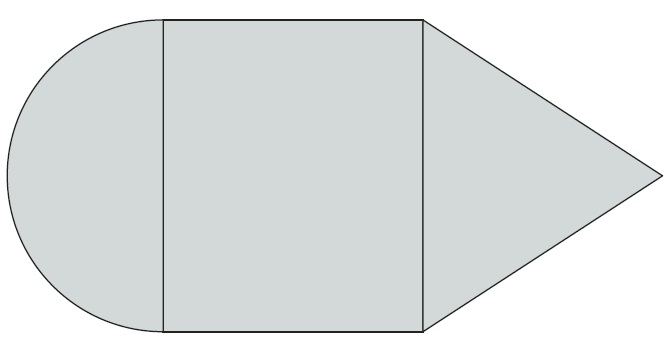
GEOMETRIE, MESURES ET PROBLEMES : BILAN

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| Compétences | Score |
| Agrandir ou réduire une figure | /5 |
| Reconnaître, nommer, comparer, vérifier, décrire des solides simples (cube, pavé) | /5 |
| Utiliser des représentations planes de solides (cube, pavé) | /5 |
| Utiliser des représentations planes de solides (prisme droit) | /5 |
| Différencier aire et périmètre d’une figure | /5 |
| Calculer l’aire d’un rectangle et d’un carré | /5 |

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Réduis par 2 la figure ci-dessous :



Agrandis par 2 la figure ci-contre sur le quadrillage :

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Observe ce pavé droit :

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|  | 1) Cite toutes les arêtes de ce pavé droit qui mesurent 6 cm :  ............................................................. .............................................................  2) Quelle est la face opposée à la face GHLK ? ..................................... |

3) Dessine en vraie grandeur la face IJKL.

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4

Construis un patron de cube de côté 5 carreaux :

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Explique pourquoi ce dessin n’est pas le patron d’un pavé droit.

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6

Complète cette figure pour obtenir un patron de pavé droit :

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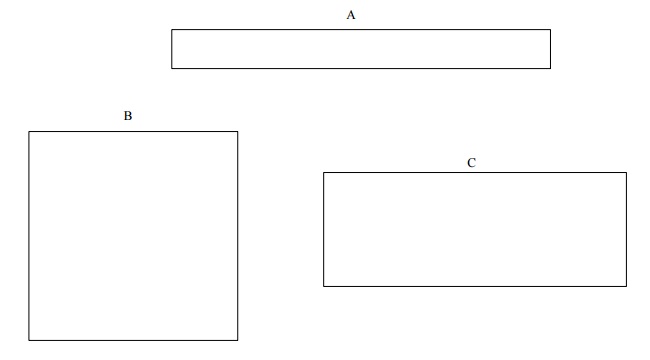
Observe le prisme droit ci-dessous :

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|  | 1) Colorie en jaune la face opposée à PAR. Nomme-la.  ...................................................... ......................................................  2) Quelle est la nature de la face en gris ?............................. |
| 3) Quelle est la nature des faces latérales ? ....................................... | |

Observe ces 3 figures :

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8



1. Calcule le périmètre de chacune d’elles.

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| --- | --- | --- |
| *Figure A : ...............* | *Figure B : ...............* | *Figure C : ...............* |

1. Que remarques-tu sur leur périmètre ?

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1. Compare deux à deux les surfaces des figures A, B et C selon leur aire :

|  |  |  |
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| *A ...............B* | *B ...............C* | *A ...............C* |

1. Classer, d'après leur aire, ces surfaces de la plus petite à la plus grande :

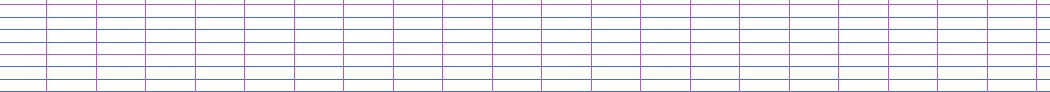
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9

Calcule l’aire des figures décrites ci-dessous. *Fais un schéma*.

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| 1)Calcule l’aire d’un carré de  côté 13 cm.  .........................................................  .........................................................  ......................................................... |  |



|  |  |
| --- | --- |
| 2) Calcule l’aire d’un rectangle  de longueur 5,7 m  et de largeur 8 m.  .........................................................  .........................................................  ......................................................... |  |
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10

Voici le plan d’un petit jardin. Calcule son aire :

*Tous les angles sont droits. Les longueurs sont en mètre, seule la mesure d’un côté n’a pas été notée.*



