

Gr. 11 Wiskunde Geletterdheid

Kwartal 2 - 2024

Vraestel 2

Totaal: 100 punte

Tyd: 2 ure

Leerder se naam: \_\_\_\_\_ Gr. 11: \_\_\_\_\_

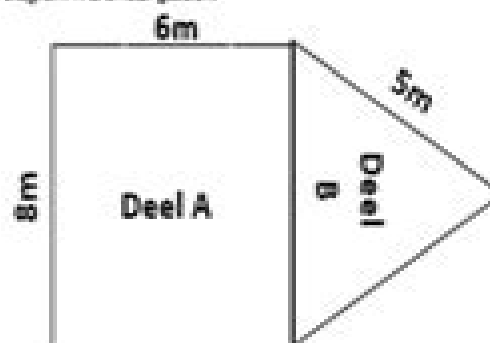
Instruksie en inligting:

- Hierdie vraestel bestaan uit twee vroe, beantwoord albei vroe.
- Die gebruik van 'n sakrekenaar word nie toegelaat nie.
- Geen Tip-nie – Ek mag gebruik word.
- Toon al die stappe wat nodig was om by die antwoord uit te kom.
- Sterkte!!

VRAAG	ONDERWERPE	MAKSIMUM PUNTE
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TOTAAL		100

## VRAAG 1

- 1.1 Mev. Garcia beplan om 'n reghoekige swembad met twee trappe in haar agterplaas te bou vir haar gesin om gedurende die somer te geniet. Die swembad sal 'n vlakkant en 'n diepkant hê, soos in die diagram hieronder getoon.



- 1.1.1 Wat is twee vorms kan jy uit die diagram hierbo identifiseer? (2)
- 1.1.2 Gebruik berekeninge om die loodregte hoogte van deel B te bepaal. (3)
- 1.1.3 Bereken die totale oppervlakte van die swembad. (2)
- 1.1.4 Bepaal die area wat met bakstene geplavei moet word as slegs deel B van die swembaddek geplavei sal word. (3)
- 1.1.5 As elke baksteen  $10\text{ cm} \times 20\text{ cm}$  meet, bereken die aantal stene wat nodig is om deel B van die swembaddek te plavei. (5)



- 1.1.6 Daar is 20 stene in een boks. Mnr. Hendricks en sy vrou beweer dat Ms. Garcia presies 30 bokse sal benodig om deel B van die swembaddek te plavei. Verifieer, met die nodige berekeninge, of die stelling geldig is of nie. (4)
- (20)**

# Memorandum Graad11 Model Vraestel 2 Wiskunde Geletterdheid 2013

**S Nieto**



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web by the end of the course participants will be able to 1 design solar photovoltaic pv systems and their integration to the power grid based on recommended technical specifications and project requirements 2 administer energy assessments and site analysis procedures to recommend suitability of sites and optimisation methods for usable space