

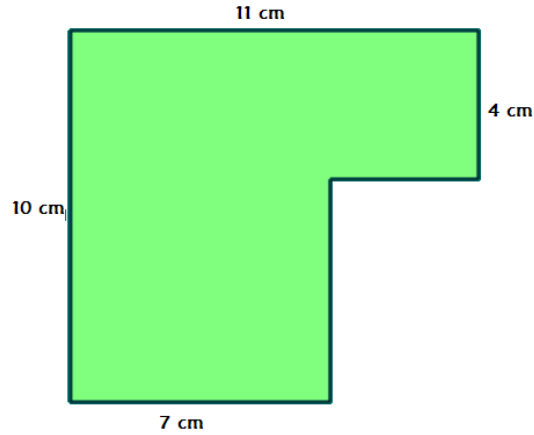


Drukbare assessering CAMI Wiskunde: Graad 7

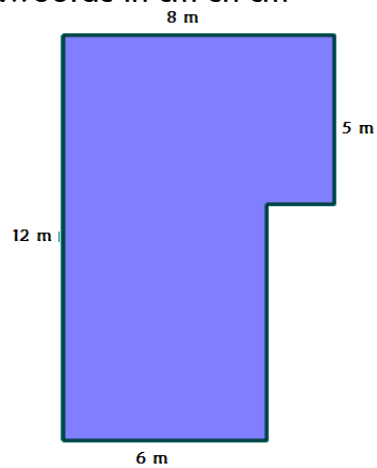
Oppervlakte en omtrek

1. Bereken die oppervlakte en omtrek van die gegewe figure.

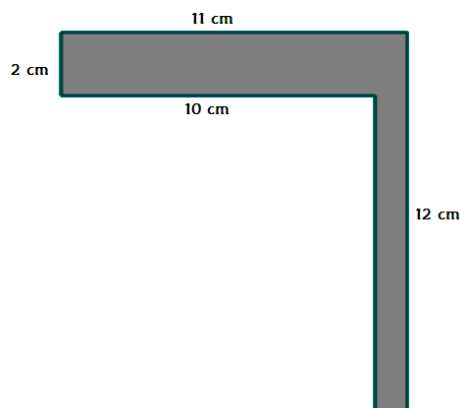
(a) Gee die antwoorde in cm en cm^2 .



(b) Gee die antwoorde in cm en cm^2 .



(c) Gee die antwoorde in mm en mm^2 .

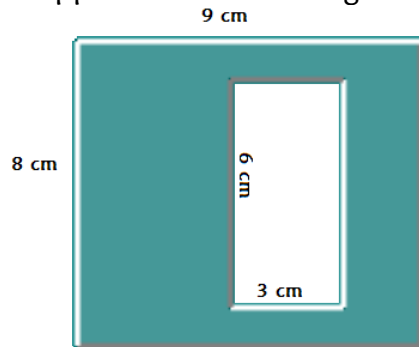




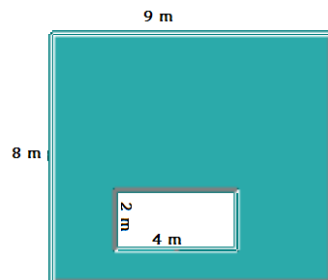
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2. Moeiliker oppervlaktes.

(a) Gee die oppervlakte van die ingekleurde deel in cm^2 .

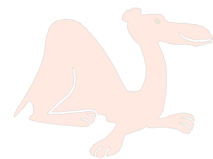
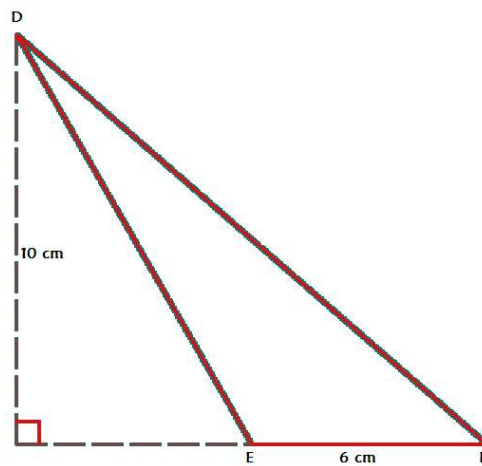


(b) Gee die oppervlakte van die ingekleurde deel in m^2 .



3. Bereken die oppervlakte van die gegewe driehoeke.

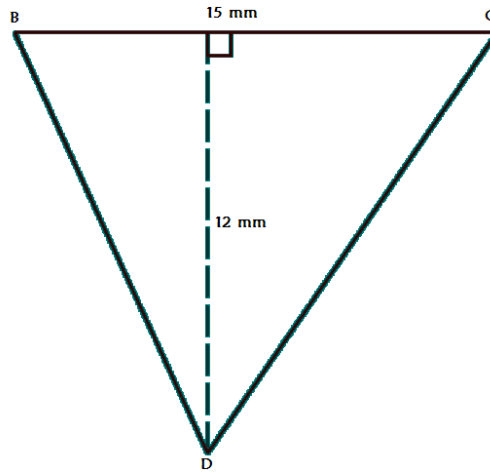
(a)



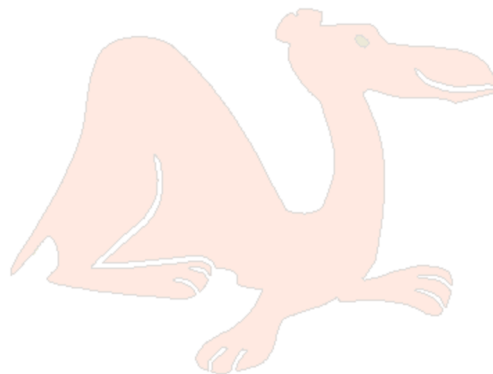
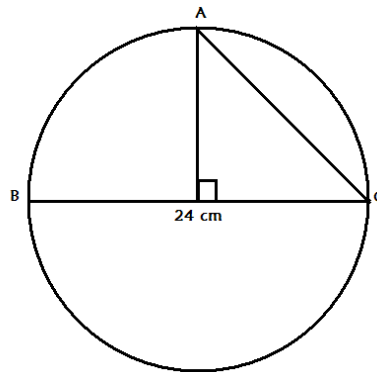


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(b)



(c)





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MEMO

1. Oppervlakte en omtrek. [9.3.1.8]

(a) Omtrek = $11\text{cm} + 4\text{ cm} + 3\text{cm} + 6\text{cm} + 7\text{cm} + 10\text{cm}$
= 41 cm

Oppervlakte = $(11\text{cm} \times 4\text{cm}) + (6\text{cm} \times 7\text{cm})$
= 86 cm²

(b) Omtrek = $8\text{ m} + 5\text{ m} + 2\text{ m} + 7\text{ m} + 6\text{ m} + 12\text{ m}$
= 40 m
= 4000 cm

Oppervlakte = $(8\text{ m} \times 5\text{ m}) + (7\text{ m} \times 6\text{ m})$
= 40 m² + 42 m²
= 82 m²
= 820 000 cm²

(c) Omtrek = $11\text{ cm} + 12\text{ cm} + 1\text{ cm} + 10\text{ cm} + 10\text{ cm} + 2\text{ cm}$
= 46 cm
= 460 mm

Oppervlakte = $(11\text{ cm} \times 2\text{ cm}) + (10\text{ cm} \times 1\text{ cm})$
= 22 cm² + 10 cm²
= 32 cm²
= 3200 mm²

2. Moeiliker oppervlaktes. [9.3.3.3]

(a) Oppervlakte = $(9\text{ cm} \times 8\text{ cm}) - (6\text{ cm} \times 3\text{ cm})$
= 72 cm² - 18 cm²
= 54 cm²

(b) Oppervlakte = $(9\text{ m} \times 8\text{ m}) - (2\text{ m} \times 4\text{ m})$
= 72 m² - 8 m²
= 64 m²

3. Oppervlaktes van driehoeke. [9.3.5.1; 9.3.5.2]

(a) Oppervlakte = $\frac{1}{2} \times \text{basis} \times \text{hoogte}$
= $\frac{1}{2} \times 6\text{ cm} \times 10\text{ cm}$

= 30 cm²



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(b) Oppervlakte = $\frac{1}{2} \times \text{basis} \times \text{hoogte}$
= $\frac{1}{2} \times 15 \text{ mm} \times 12 \text{ mm}$
= 90 mm^2

(c) Oppervlakte = $\frac{1}{2} \times \text{basis} \times \text{hoogte}$
= $\frac{1}{2} \times 12 \text{ cm} \times 12 \text{ mm}$
= 72 cm^2

