



# Drukbare Asseserings CAMI Wiskunde: Graad 8

## Oppervlakte en omtrek

1. Herlei die volgende waardes:

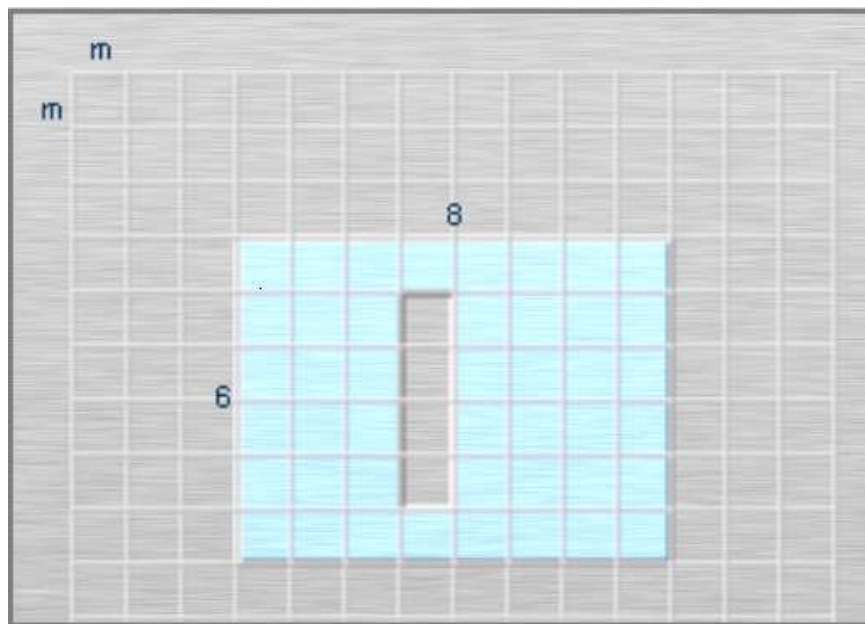
1.1  $40,81 \text{ m}^2 = \dots\dots\dots\text{cm}^2$

1.2  $483\,400 \text{ cm}^2 = \dots\dots\dots\text{m}^2$

1.3  $2\,416 \text{ mm}^2 = \dots\dots\dots \text{cm}^2$

2. Bereken die oppervlakte van die ingekleurde gebied.

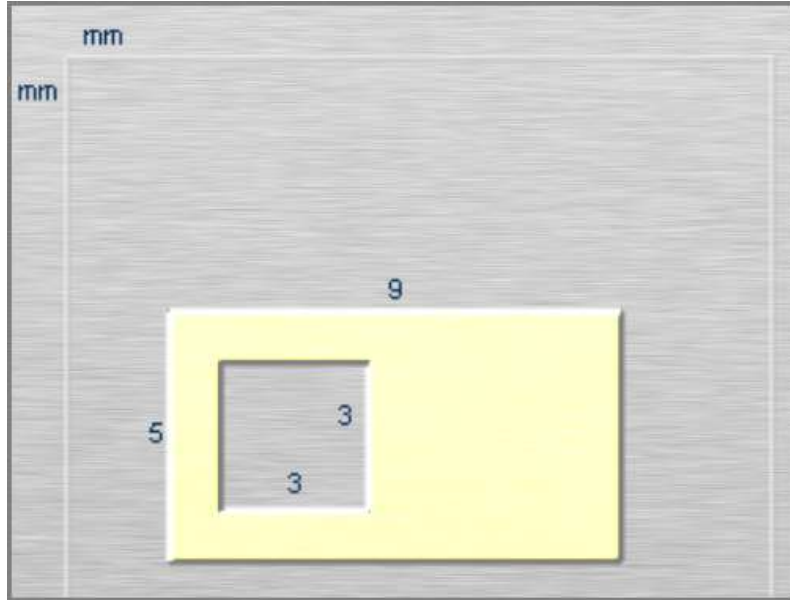
2.1 (in  $\text{cm}^2$ )



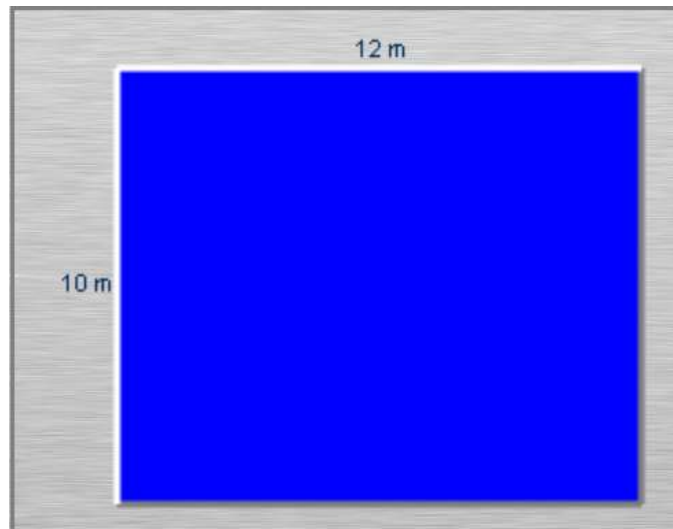


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2.2 (in mm<sup>2</sup>)



2.3 (in cm<sup>2</sup>)

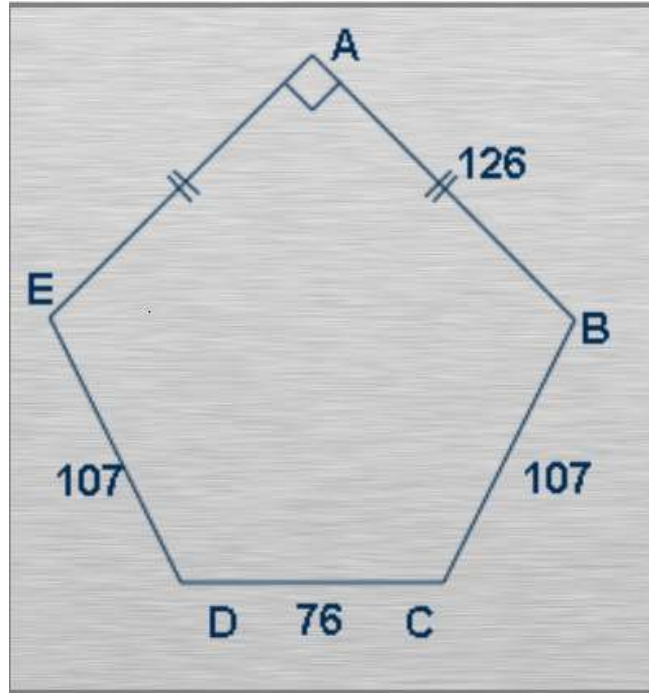




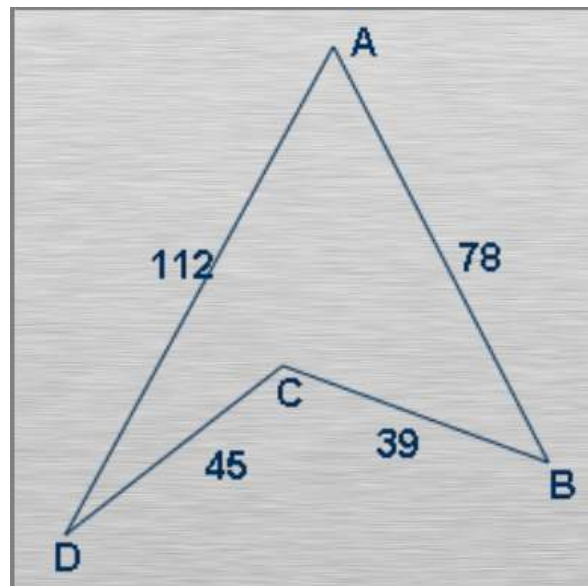
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3. Bereken die omtrek van die gegewe figuur.

3.1



3.2





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### MEMO

1. Herleiding [9.1.3.8]

1.1  $40,81 \text{ m}^2 = 408\,100 \text{ cm}^2$

1.2  $483\,400 \text{ cm}^2 = 48,34 \text{ m}^2$

1.3  $2\,416 \text{ mm}^2 = 24,16 \text{ cm}^2$

2. Oppervlakte. [ 9.3.2.7 ; 9.3.3.2 ; 9.3.3.4]

2.1  $1 \text{ m} = 100 \text{ cm}$

Area =  $(600\text{cm} \times 800 \text{ cm}) - (400 \text{ cm} - 100 \text{ cm})$   
 $= 440\,000 \text{ cm}^2$

2.2 Area =  $(5 \text{ mm} \times 9 \text{ mm}) - (3 \text{ mm} \times 3 \text{ mm})$   
 $= 45 \text{ mm} - 9 \text{ mm}$   
 $= 36 \text{ mm}^2$

2.3 Area = length  $\times$  width  
 $= 1\,000 \text{ cm} \times 1\,200 \text{ cm}$   
 $= 1\,200\,000 \text{ cm}^2$

3. Omtrek. [9.3.3.5]

3.1 Perimeter =  $2AB + 2BC + DC$   
 $= 2(126) + 2(107) + 46$   
 $= 542 \text{ units}$

3.2 Perimeter =  $AD + AB + BC + CD$   
 $= 112 + 78 + 39 + 45$   
 $= 274 \text{ units}$