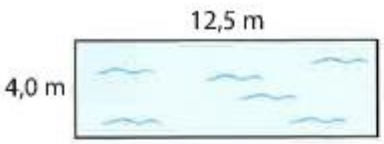
MAB10 – Tasogeometria

1. ◆◇◇ Laske uima-altaan pinta-ala.

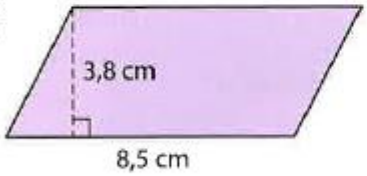


2. ◆◇◇ Laske neliön pinta-ala, kun sen sivun pituus on

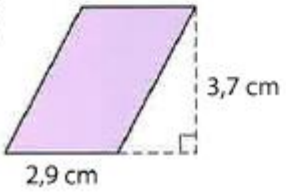
a) 3,0 m **b)** 6,5 cm.

3. ◆◇◇ Laske suunnikaan pinta-ala.

a)

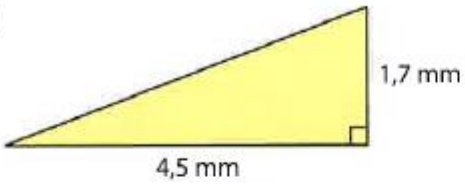


b)

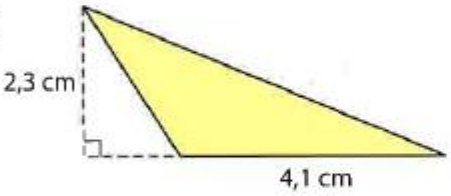


4. ◆◇◇ Laske kolmion pinta-ala.

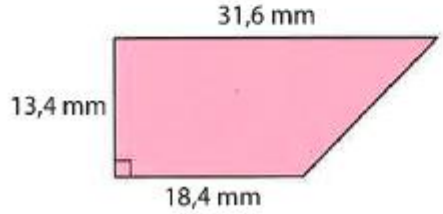
a)



b)

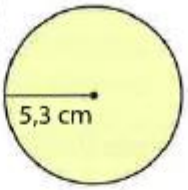


5. ◆◇◇ Laske puolisuunnikkaan pinta-ala.

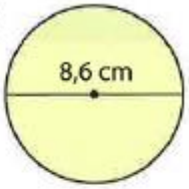


6. ◆◇◇ Laske ympyrän pinta-ala.

a)

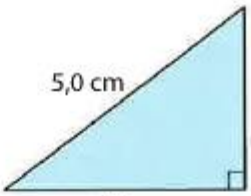


b)



7. ◆◇◇ Juuso leipoo marjapiirakan, jonka halkaisija on 25 cm. Hän leikkaa marjapiirakasta sektorin muotoisen palan. Laske palan pinta-ala.

8. ◆◇◇ Laske kolmion pinta-ala.

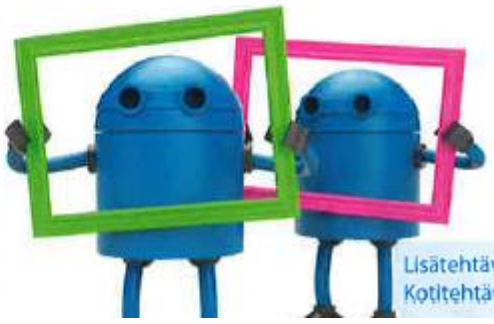


9. ◆◇◇ Laske ympyrän pinta-ala, kun

a) säde on 6,0 cm

b) halkaisija on 7,4 cm.

10. ◆◇◇ Suunnikkaan kanta on 7,3 mm ja pinta-ala 58 mm^2. Laske suunnikkaan korkeus.



Lisätehtävät s. 177
Kotitehtävät s. 212

7. TASOGEOMETRIAA

1. $50\ m^2$

2. **a)** $9{,}0\ m^2$ **b)** $42\ cm^2$

3. **a)** $32\ cm^2$ **b)** $11\ cm^2$

4. **a)** $3{,}8\ mm^2$ **b)** $4{,}7\ cm^2$

5. $335\ mm^2$

6. **a)** $88\ cm^2$ **b)** $58\ cm^2$

7. $48\ cm^2$

8. $6{,}0\ cm^2$

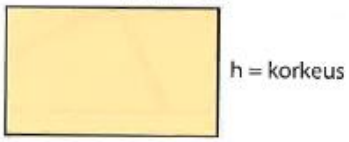
9. **a)** $110\ cm^2$ **b)** $43\ cm^2$

10. $7{,}9\ mm$

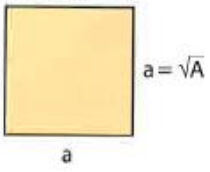
Pinta-alan yksiköt

km^2 · 100 ha : 100 a m^2 dm^2 cm^2 mm^2

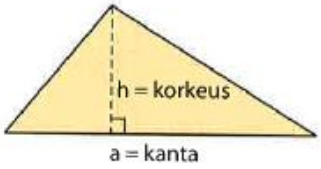
Suorakulmio $A = ah$



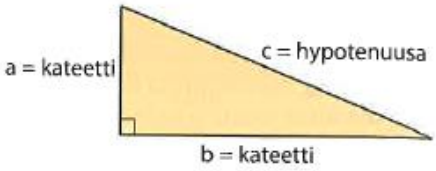
Neliö $A = a^2$



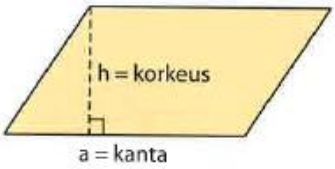
Kolmio $A = \frac{ah}{2}$



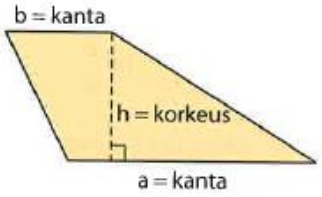
$a^2 + b^2 = c^2$



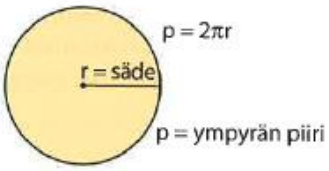
Suunnikas $A = ah$



Puolisuunnikas $A = \frac{a+b}{2} \cdot h$



Ympyrä $A = \pi r^2$



Sektori $A = \frac{\alpha}{360°} \cdot \pi r^2$