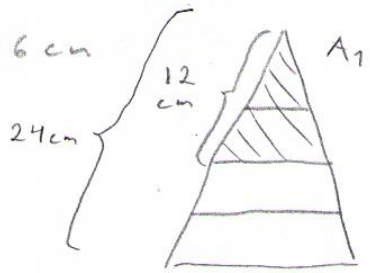
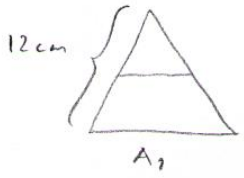
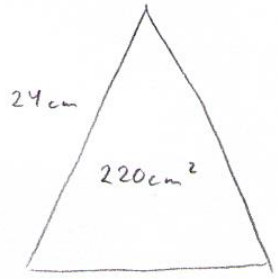
(74) Tasakylkinen kolmio. $\frac{24\,cm}{4} = 6\,cm$



Kolmiot ovat yhdenmuotoiset, joten



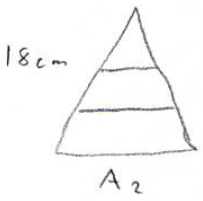


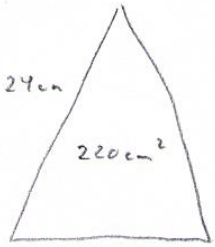
$$\frac{A_1}{220cm^2} = \left(\frac{12\,cm}{24\,cm}\right)^2$$

$$A_1 = \frac{1}{4} \cdot 220\,cm^2$$

$$= 55\,cm^2$$

Myös nämä kolmiot ovat yhdenmuotoiset:





$$\frac{A_2}{220cm^2} = \left(\frac{18cm}{24cm}\right)^2$$

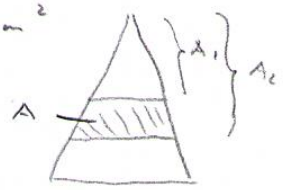
$$A_2 = \left(\frac{3}{4}\right)^2 \cdot 220\,cm^2$$

$$= \frac{9}{16} \cdot 220\,cm^2$$

$$= 123{,}75\,cm^2$$

Kysytty pinta-ala saadaan näiden erotuksena:

$$A = A_2 - A_1 = 123{,}75\,cm^2 - 55\,cm^2 \approx 68{,}75\,cm^2$$



Vast. $69\,cm^2$.