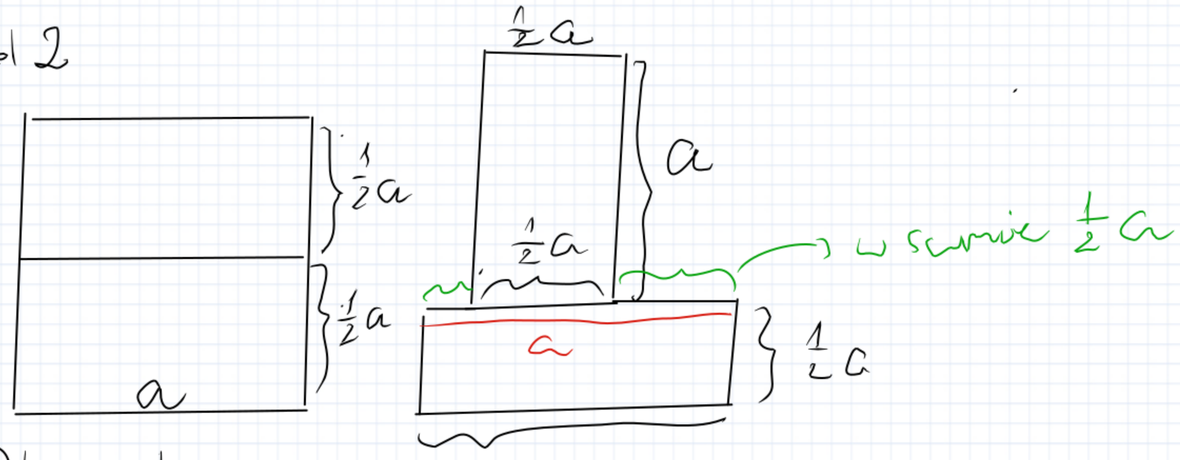
Zad 2



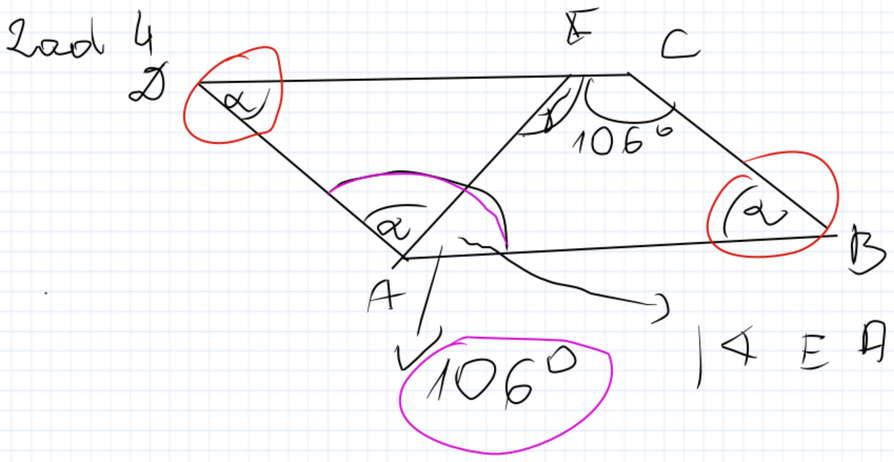
$Ob_{\square} = 4a$

$Ob_{F_{11}} = \frac{1}{2}a + a + \frac{1}{2}a + a + \frac{1}{2}a + \frac{1}{2}a + a = 5a$

I pod F

II P

Zad 4



$|\sphericalangle EAB| = 106° - \alpha$

AED - równoramienny

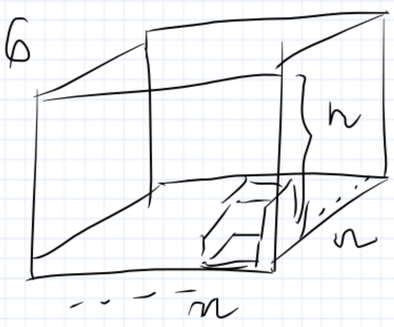
Czworokąt $ABCE$

$106° + \gamma + 106° - \alpha + \alpha = 360°$

$\gamma = 148°$

B

Zad 6



$n \cdot n \cdot n = n^3$

203 klocki

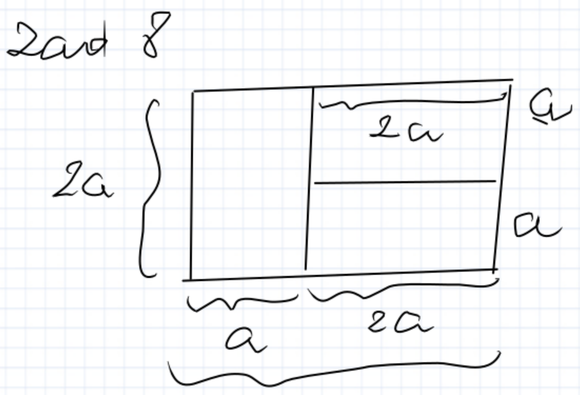
$n = 5 \quad 5^3 = 125$

$n = 6 \quad 6^3 = 216 > 203$

$203 - 125 = 78$ klocków

Odłożono.

Zad 8



$2a \cdot 3a = 3750\ m^2$

$6 \cdot a^2 = 3750\ m^2$

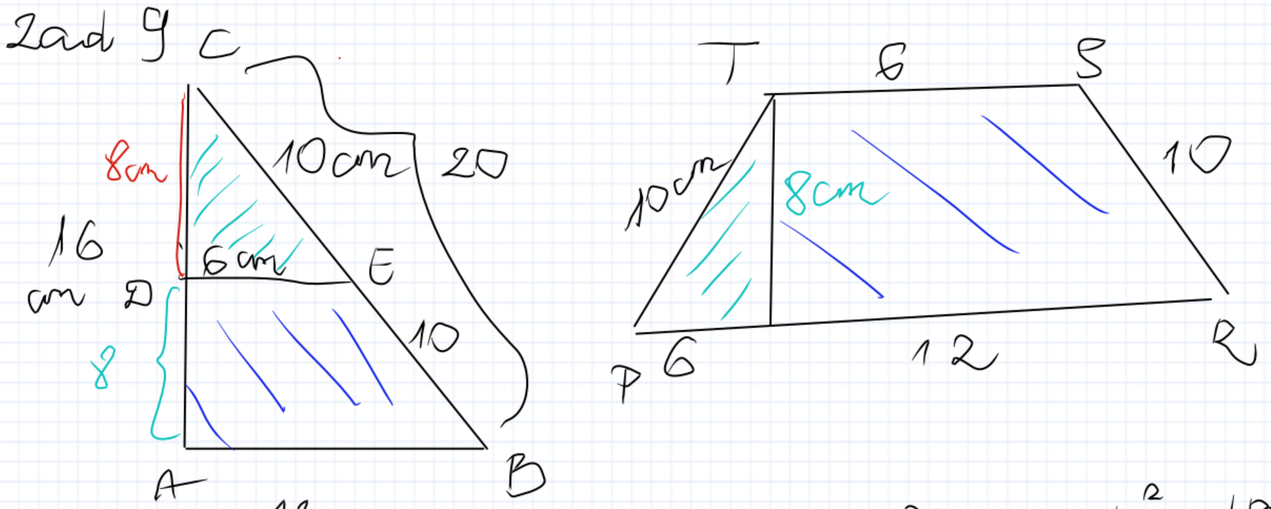
$a^2 = 625\ m^2$

$a = 25\ m$

Odp: $2 \cdot a = 2 \cdot 25 = 50\ m$

$3a = 3 \cdot 25 = 75\ m$

Zad 9



2 tw Pitagorasa $|CB|$ $|AB|^2 + |AC|^2 = |BC|^2$

$12^2 + 16^2 = |CB|^2 \Rightarrow |CB| = 20\ cm$

—— // —— $|CE|$ $|CD|^2 + |DE|^2 = |CE|^2$

$8^2 + 6^2 = |CE|^2 \Rightarrow CE = 10\ cm$

$Ob_{\triangle ABC} = 16 + 12 + 20 = 48\ cm$

$Ob_{\square PQST} = 6 + 12 + 10 + 6 + 10 = 44\ cm$

różnica $= 48\ cm - 44\ cm = 4\ cm$