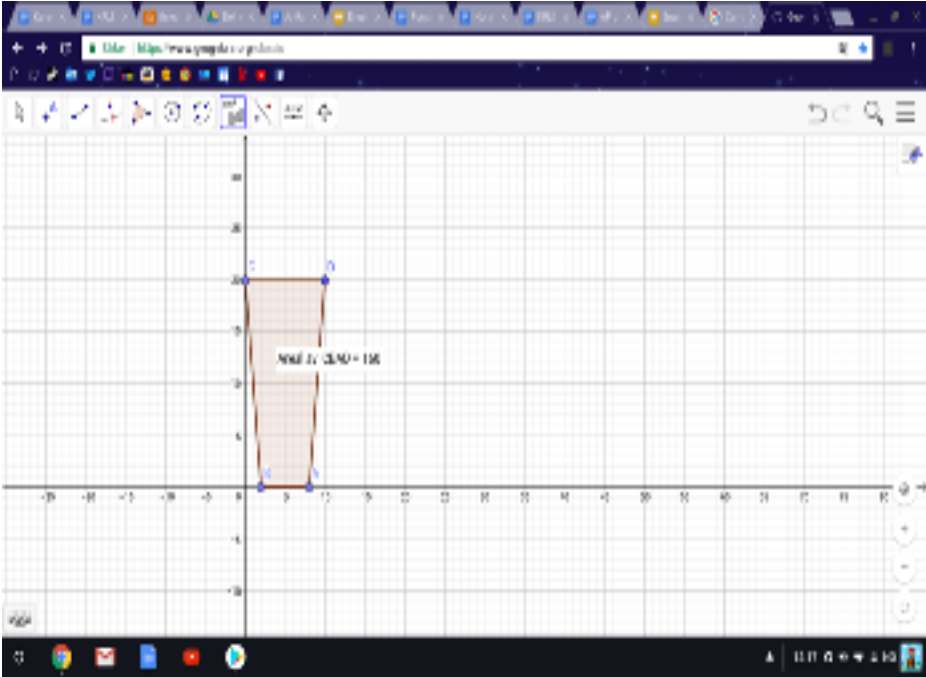
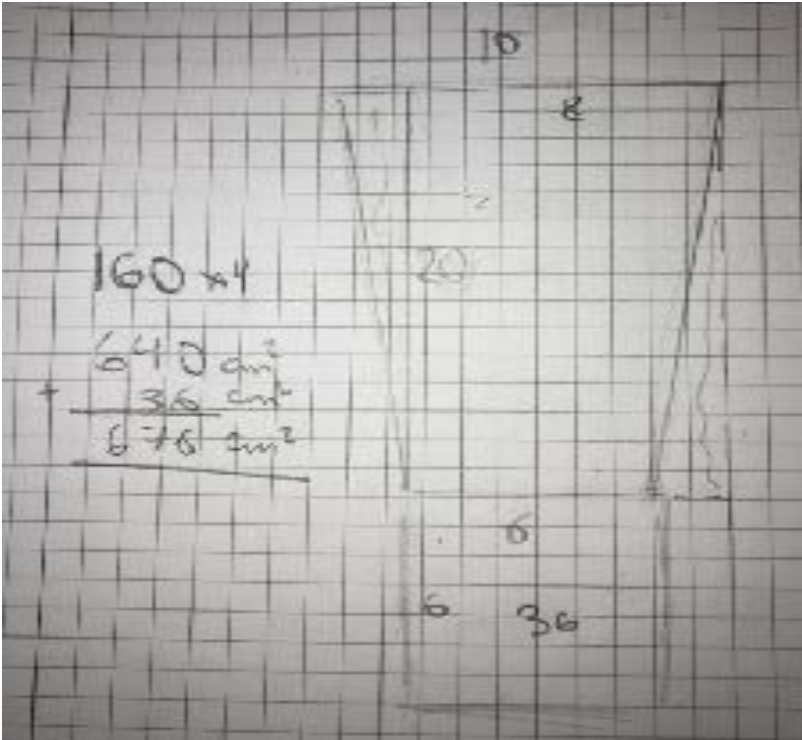


Matematikk i 3 akter

Ve skole 10.trinn

Overflate



Volum - popcornbeholderen

$$V = (G \cdot h) / 3$$

$$V = (9\text{cm} \cdot 9\text{cm} \cdot 46\text{cm}) / 3$$

$$V = 1242\text{cm}^3$$

$$46\text{cm} - 20\text{cm} = 26\text{cm}$$

Høyden på trekanten på toppen er 26cm

$$5,5\text{cm} \cdot 5,5\text{cm} \cdot 26\text{cm} = 786,5\text{cm}^3$$

$$1242\text{cm}^3 - 786,5\text{cm}^3 = 455,5\text{cm}^3$$

Volumet er $455,5\text{cm}^3$.

Hvor raskt faller steinene ned i glasset?

Height on the glass = 10 cm
 $10\text{cm} / 100 = 0,1333\text{pb}$
 $4 * 0,1333\text{pb} = 0,133\text{sec}$

$10\text{cm} / 0,133\text{sec} = 75,18\text{cm/s}$
 $75,18\text{cm/s} * 100 = 0,7518\text{m/s}$
 $0,7518\text{m/s} * 3960 = 2706\text{m/h}$
 $2706\text{m/h} / 1000 = 2,7\text{km/h}$

2,7km/h

Fart, tid og strekning

ScreenCastify live