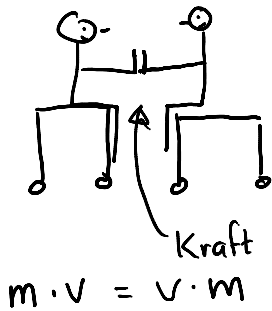
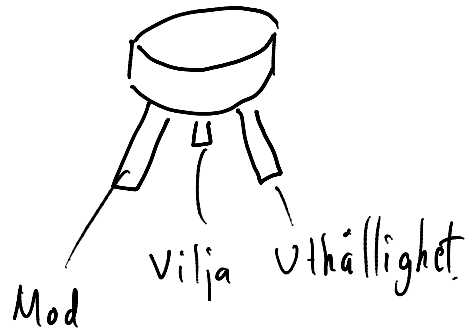
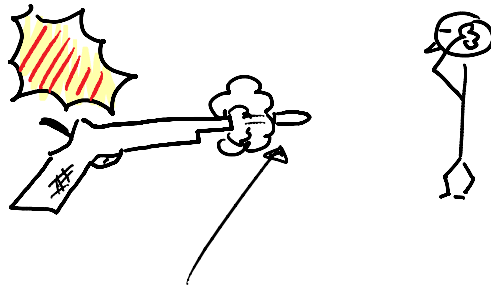


Sammansatta och motverkande krafter.

$$m \cdot v = m \cdot v$$



Actionfilmen



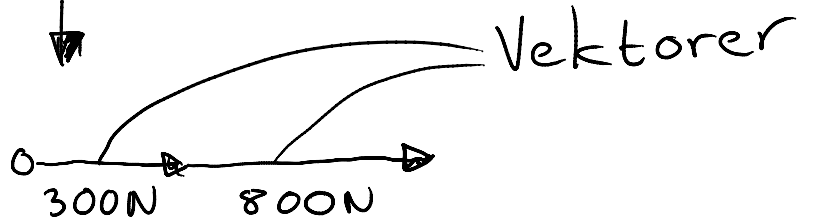
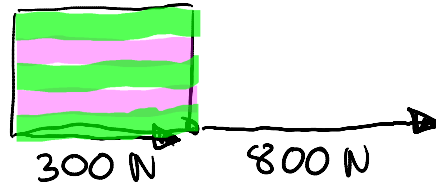
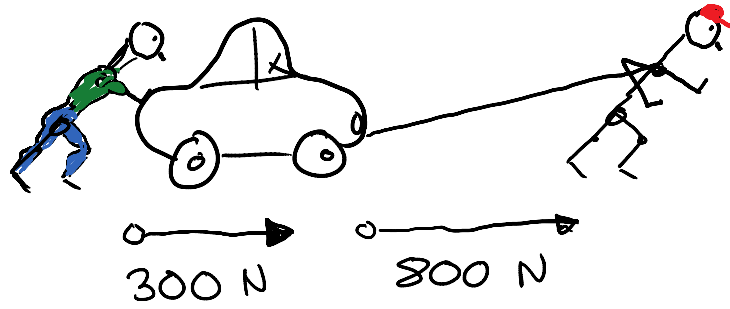
$$m = 5g \quad m = 80 \text{ kg} = 80000g$$

$$v = 940 \text{ m/s} \quad v = ?$$

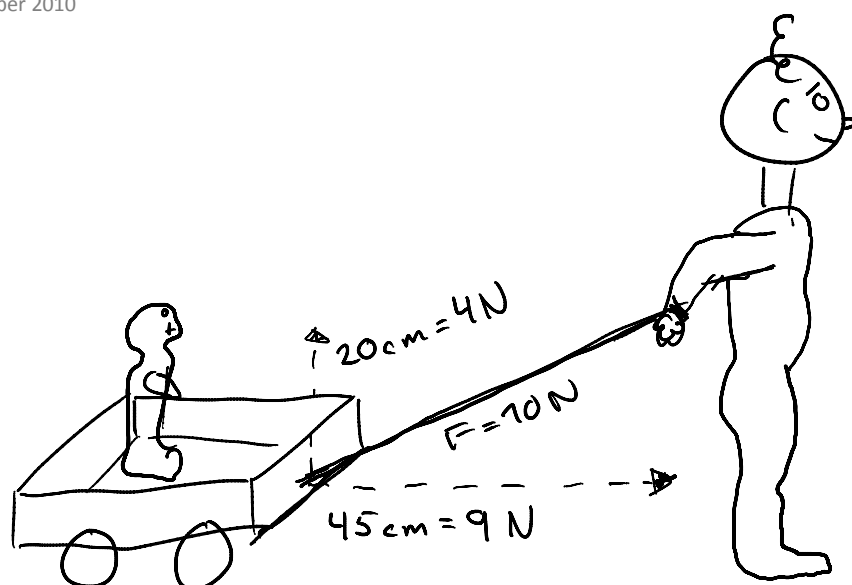
$$m \cdot v = m \cdot v \rightarrow 5 \cdot 940 = 80000 \cdot ? \rightarrow$$

$$\rightarrow \frac{4700}{80000} = \frac{\cancel{80000} \cdot ?}{\cancel{80000}}$$

$$\frac{4700}{80000} = 0,059 \text{ m/s}$$



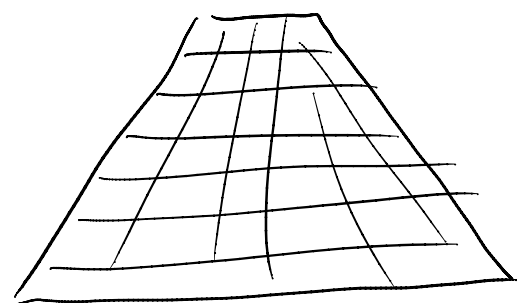
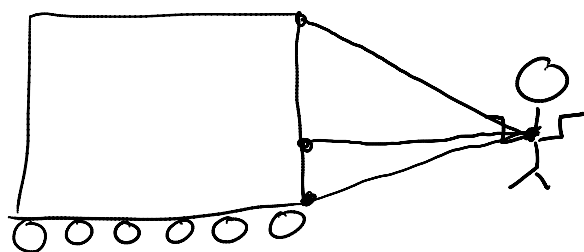
Två eller flera vektorer kan slås ihop till en resultant.



$$10\text{ N} = 50\text{ cm} \rightarrow 1\text{ N} = 5\text{ cm}$$

För att en kraft ska vara helt bestämd, måste vi veta...

- Kraftens storlek
- Kraftens riktning
- Kraftens angreppspunkt.



Läxa 1-8, sid 20