

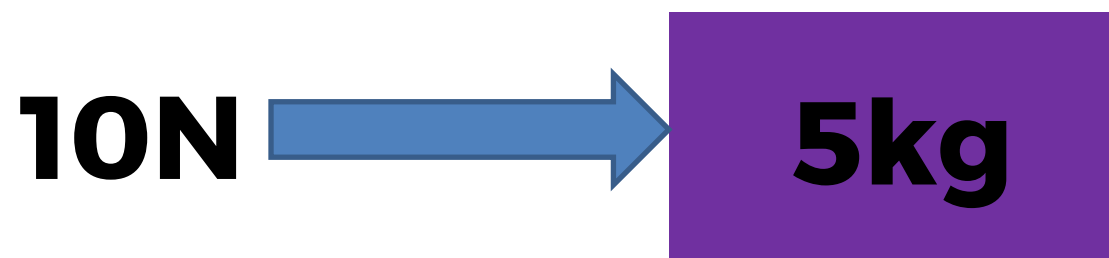
2^a Lei de Newton

Prof. Jadoski
Física

Lei das massas

$$F = m \cdot a$$

Lei das massas



$$F = m \cdot a$$

$$10 = 5 \cdot a$$

$$a = 2\text{m/s}^2$$

Forças da dinâmica: PESO



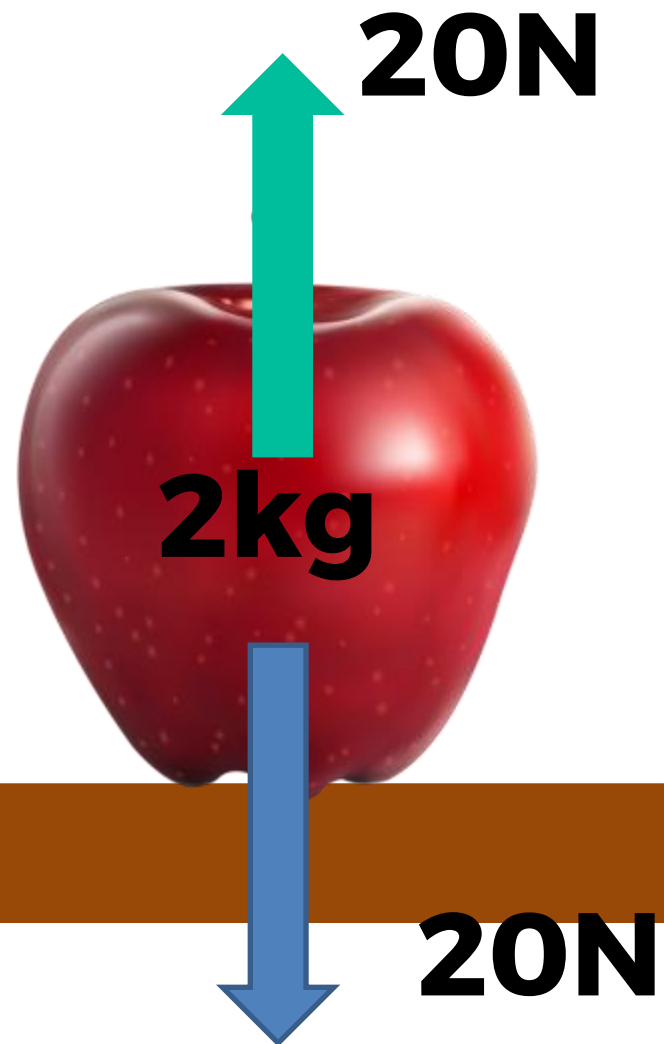
$$F = m \cdot a$$

$$P = m \cdot g$$

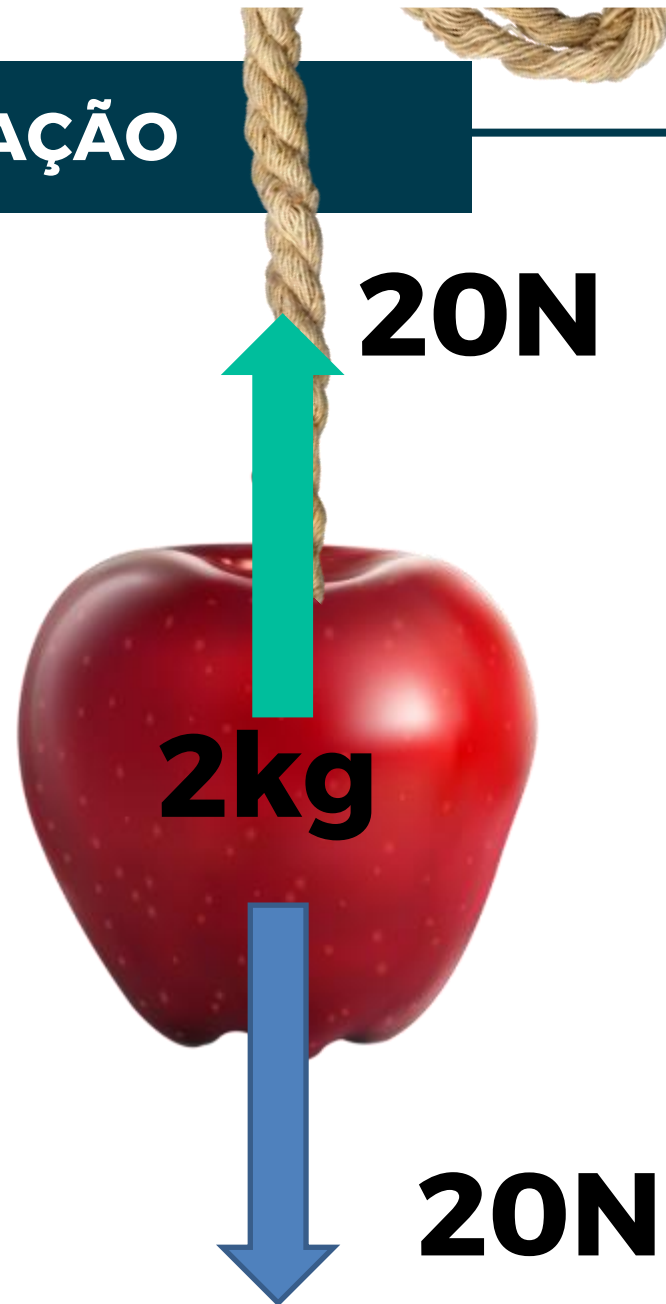
$$P = 2 \cdot 10$$

$$P = 20\text{N}$$

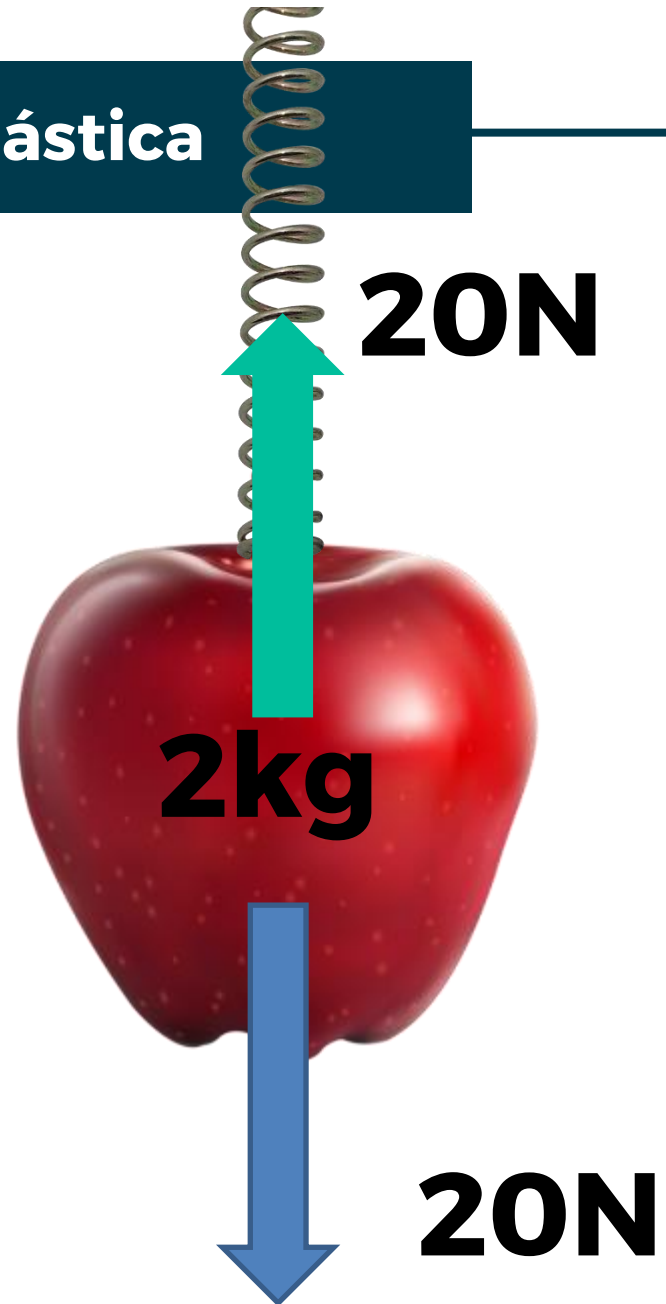
Forças da dinâmica: NORMAL



Forças da dinâmica: TRAÇÃO



Forças da dinâmica: F elástica



Forças da dinâmica: F elástica

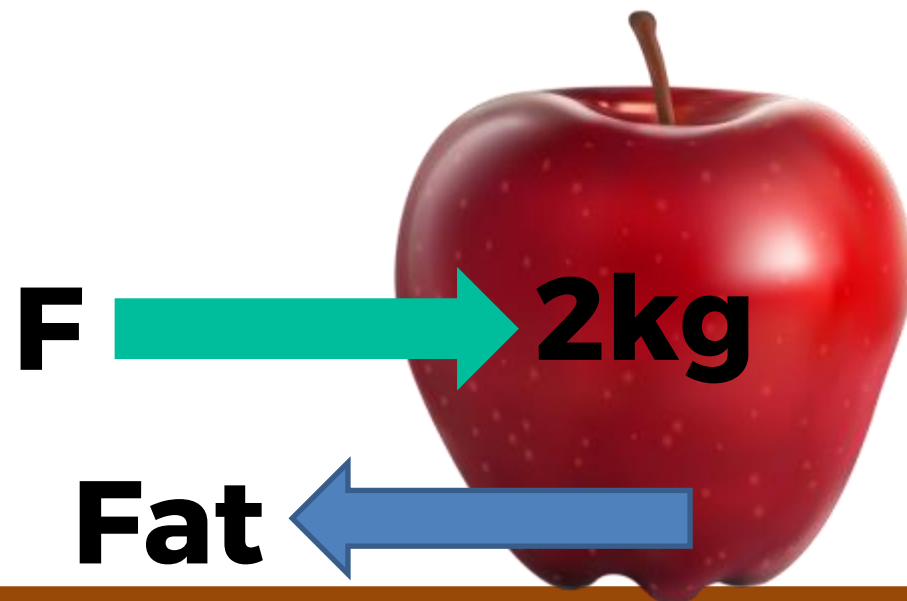


20cm

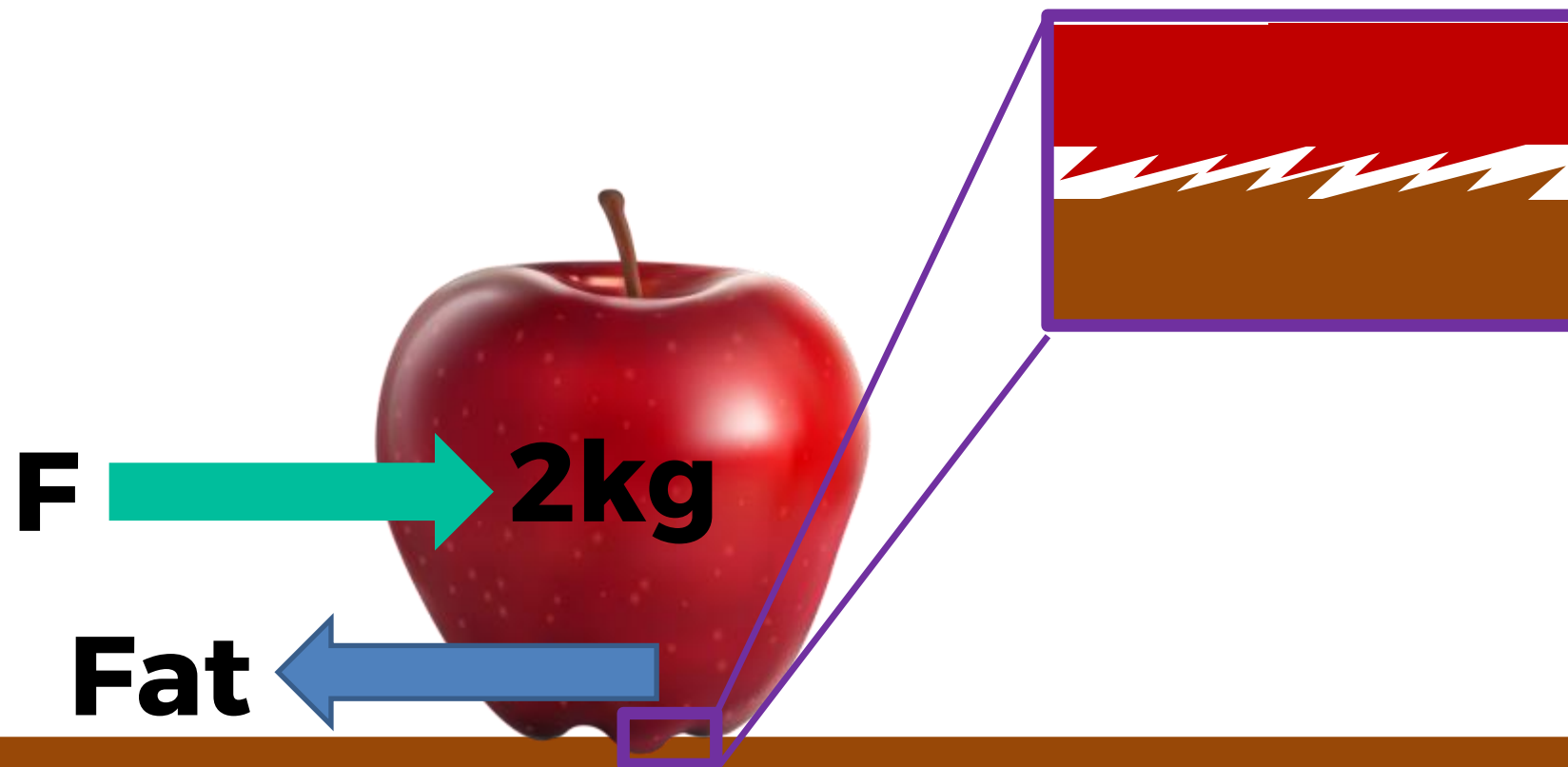
$K = 100 \text{ N/m}$

$$F = k \cdot x$$
$$F = 100 \cdot 0,2$$
$$F = 20 \text{ N}$$

Forças da dinâmica: ATRITO

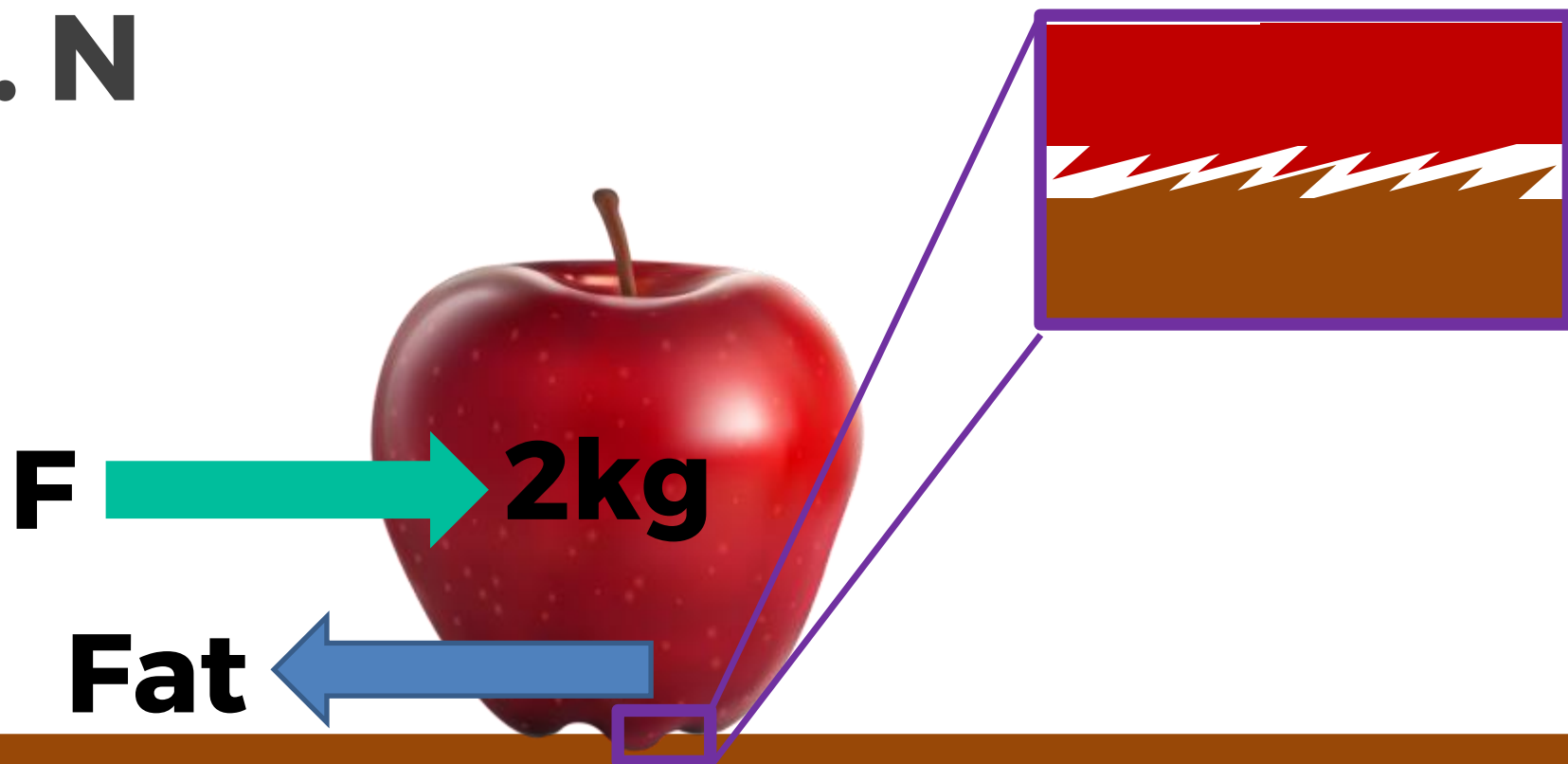


Forças da dinâmica: ATRITO



Forças da dinâmica: ATRITO

$$F = \mu \cdot N$$



2ª lei de Newton

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