

Sistema de blocos

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Física

$$F = m \cdot a$$

O velho bloco... Um pouco estranho

F=20N



10kg

$$F = m \cdot a$$
$$20 = 10 \cdot a$$

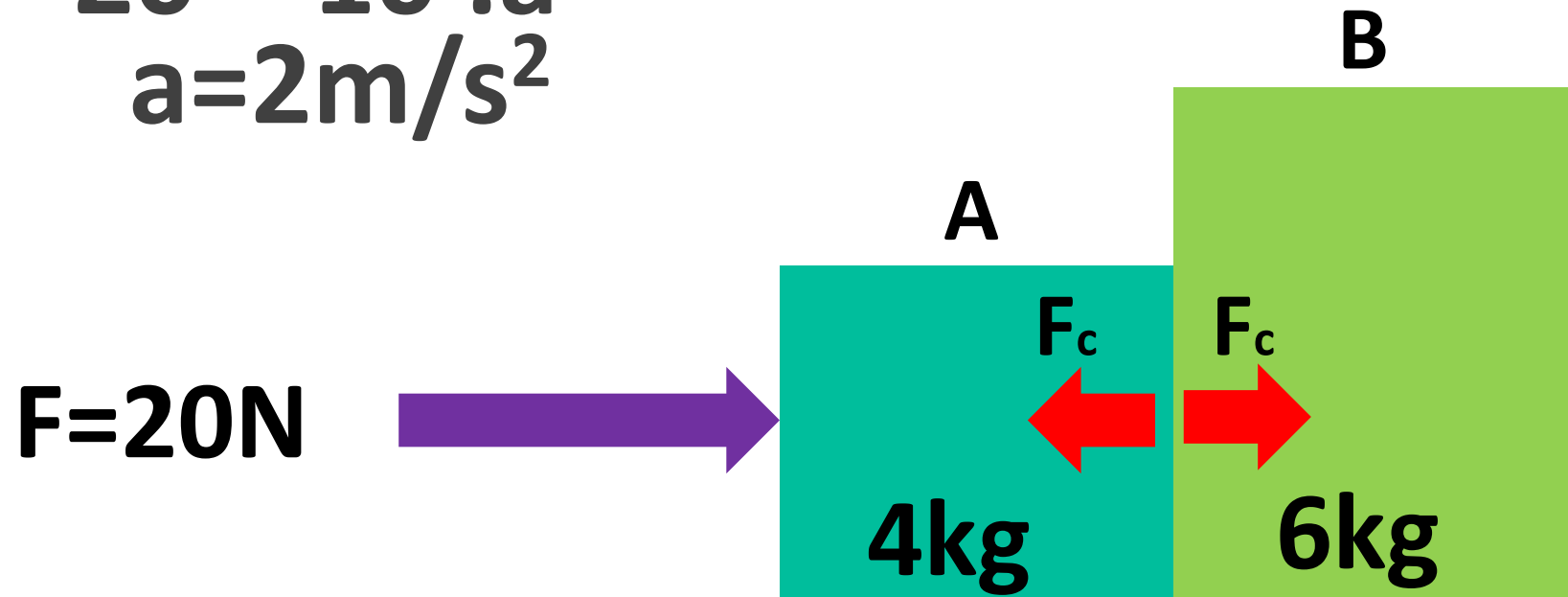
$$a = 2\text{m/s}^2$$

Ah... Eram 2 blocos ;)

$$F = m \cdot a$$
$$20 = 10 \cdot a$$
$$a = 2 \text{ m/s}^2$$

B

$$F = m \cdot a$$
$$F_c = 6 \cdot 2$$
$$F_c = 12 \text{ N}$$



A

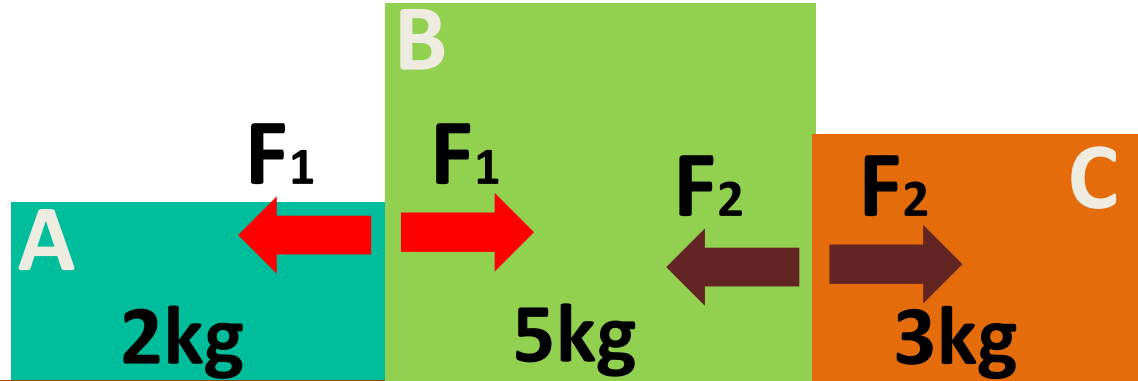
$$F = m \cdot a$$

$$F - F_c = m \cdot a$$

$$20 - F_c = 4 \cdot 2$$

E vale para quantos blocos quiser

$F=20\text{N}$



GERAL

$$F = m \cdot a$$
$$20 = 10 \cdot a$$
$$a = 2\text{m/s}^2$$

INDIVIDUAL

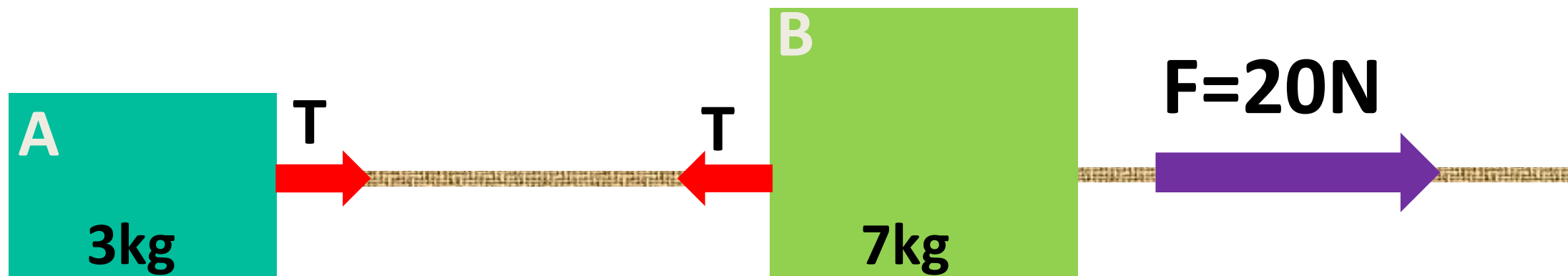
C

$$F = m \cdot a$$
$$F_2 = 3 \cdot 2$$
$$F_2 = 6\text{N}$$

A

$$F = m \cdot a$$
$$F - F_1 = m \cdot a$$
$$20 - F_1 = 2 \cdot 2$$
$$F_1 = 16\text{N}$$

Empurrando-se ou puxando-se



GERAL

$$F = m \cdot a$$
$$20 = 10 \cdot a$$
$$a = 2\text{m/s}^2$$

INDIVIDUAL

A

$$F = m \cdot a$$
$$T = 3 \cdot 2$$
$$T = 6\text{N}$$

B

$$F = m \cdot a$$
$$F - T = m \cdot a$$
$$20 - T = 7 \cdot 2$$
$$T = 6\text{N}$$

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