Task:

What acceleration would result if you applied a force of 2F to m? I do not remember how to solve the equation. Can you help?

Solution:

$$\sum_{i=1}^{n} F_i = ma$$

If $\sum_{i=1}^{n} F_i = 2F$ then

$$2F = ma$$

$$a = \frac{2F}{m}$$

Answer:

$$a = \frac{2F}{m}$$