

What is Newton's second law of motion?

Lesson Review

Use the equation $F = m \times a$ to complete the table.

Force (N)	Mass (kg)	Acceleration (m/s ²)
1.	15	20
3,052	2.	70
3.	8.5	3
250	10	4.
5.	63	5.5
441	6.	21
50	7.	0.5
8.	0.3	0.6
2,602.8	18	9.

Skill Challenge

Skills: interpreting a diagram, analyzing, modeling

Use the diagram to answer the following questions.



1. How could the acceleration of the person on the swing be increased? _____

2. What would happen to the acceleration if one person pushed two people on the swing? Why?
