**Noteguide Impulse - Videos 6B Name**

Write down the formula for impulse: (Be sure to write down what all the symbols mean, and their units)

**Impulse =**

Example: What impulse is imparted by exerting a 12 N force for 4.0 s?

Example: Impulse is the area under a F vs. t graph



Show your calculation here:

Whiteboards:

|  |  |
| --- | --- |
| 1. What is the impulse of a 6.12 N force acting for 2.3 seconds?(14 Ns) | 2. A rocket engine is rated at 14 Ns of impulse, and burns for 1.7 seconds. What is the thrust of the engine? (8.2 N) |
| 3. What is the impulse? (Area under the line)(560 Ns) | 4. What is the impulse? (Area under the line)(470 Ns) |