Period:

1.F=	GN
2. m =	125 Kg
3. a =	3 m/52
4. v =	29 m/s
5. D = _	228m

125 kilograms
23 kgm/s
3 m/s²
29 meters/sec
228 meters

6 newtons

6. p= 23 kgm/s

- A. An action that can causes motion.
- 2. Mass C B. Force pullir other.
- B. Force pulling all object toward each other.
- 3. Gravity

Net force

- C. The amount of matter in an objectD. Total of all of the forces on an object.
- 5. Force
- E. Ability of an object to resist change of motion.

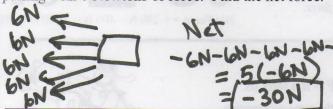
Number these from least (1) to most (5) inertia..

A small	A truck	A feather	A large
car	4	1	train
	The second second		

Number these from least (1) to most (5) momentum.

Fast car	Parked	Slow car	Fast	Fast
F	truck	3	baseball	feather
2			4	2

A sled is being pulled to the left by 5 dogs, each one pulling with 6 Newtons of force. Find the net force.



If a person pulls on a cart to the right with a force of 10 N and a second person pulls to the left with a force of 3 N, what is the net force (+ direction) on the cart?

A 2 N and 6 N force pull on an object to the right and a 4 N force to the left pull on a 0.5 kg object. What is the net force on the object?

List, in your own words, the three laws of motion:

- 1) If something is resting it will stay at rest until something
- 2) F=mxa
- 3) For every action there is an equal and opposite reaction

Which of Newton's Three Laws Applies? Law 1, 2, or 3?

- When you put a book on a table the table pushes on the book.
- 3 A person is pushed forward into their seatbelt when a car stops.
- A larger car takes more force to move.
- A person leans on a wall and the wall pushes back.
- A brick sits on a table until you push on it.

A 20 kg bike accelerates at 10 m/s². With what force was the person pedaling?

If a person is pushing a cart with a force of 40 Newtons and it accelerates at 0.5 m/s², what is the mass of the cart?

$$F = \frac{m \cdot k}{9}$$
 $M = \frac{40}{9} = \frac{40}{0.5} = 80 \text{ kg}$

What is the acceleration of a 3 kg rock that is thrown with a force of 18 N?

$$F = \frac{m \cdot a}{F} = \frac{18}{3} = \frac{6 \frac{m}{5^2}}{5^2}$$

$$A = \frac{m}{m} = \frac{18}{3} = \frac{6 \frac{m}{5^2}}{5^2}$$