5.	Insert these words into the four blanks of the sentence; mass, momentum, acceleration, time, impact, weight, impulse, and force. (Not every word will be used.)
In a	collision, an object experiences a(n) + OY CE acting for a certain amount of
-	time and which is known as a(n) Impulse; it serves to change the
mem	enturn of the object
6.	A(n) impulse causes and is equal to a change in momentum. a, force b, impact c, impulse d, collision
	a. force b. impact c. impass
7.	A 1000 kg car is moving at 20 m/s. The momentum of the car is:
P=	mv 20,000 kg. m/s
8.	The momentum of a car is 30,000 kg m/s. The mass of the car is 1500 kg. What is the speed of the car? $V = \frac{P}{M} = \frac{30000 \text{ kg} \cdot \text{m/s}}{1500 \text{ kg}} = 20 \text{ m/s}$
9. P:	The momentum of a car is 50,000 kg m/s. The speed of the car is 25.0 m/s. What is the mass of the car? $m = \frac{P}{V} = \frac{50000 \text{ kg} \cdot \text{m/s}}{25 \text{ m/s}} = 200 \text{ kg}$
10.	the impulse received by the ball?
-	Impulse = f At -> 250N.2 = 50N
11.	A 1200 kg car was crashed into a wall. The impulse is 4000 N-s and the impact time is 0.5 s. What is the impact force on the car? Impulse $f = \frac{4000 \text{ N}}{6} \text{ S000} \text{ N}$
12.	A 1000 kg car was crashed into a garden and stopped. The impulse is 4000 N-s and the impact force is 2000 N. How long it takes for the car to stop?