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### **Task #1**

A deer with a mass of 146 kg is running head-on toward you with a speed of 17 m/s. What is the momentum of the deer?

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### **Task #2**

An 800-kg car is going 15 m/s before the engine applies a force of 750 N for 8 seconds. What is the car's velocity now?

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### **Task #3**

A 12-kg hammer strikes a nail at a velocity of 8.3 m/s. It comes to a rest in 0.012 seconds. What is the average force that acts on the nail?

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