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	sical Science Acceleration Ws
1.	What is the acceleration of a motorcycle that went from 22 m/s to 34 m/s in 2 seconds?
2.	What was the final velocity of the space shuttle 5 seconds after take off with an acceleration of 2500 m/s <sup>2</sup> ?
3.	How long did it take for a stone to hit the bottom of a gorge if it was dropped off a cliff and hit the bottom with a velocity of 147 m/s? (Hint: Its acceleration would be the acceleration due to gravity.)
4.	A person sees a deer in the road while driving and slams on the brakes creating
	a deceleration of 16 m/s <sup>2</sup> . How fast was the vehicle going if they came to a stop in 2.5 seconds?
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5.	A marathon runner traveled 120m in 15 seconds when she increased her rate to 12 m/s in a time of 2 seconds to keep in front of another runner coming up behind her. What was the acceleration of the runner?