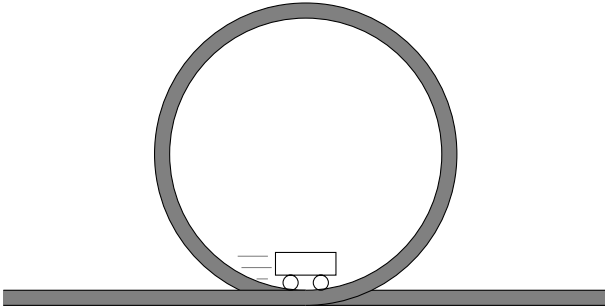


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A roller coaster car of mass 600 kg goes around a loop of radius 8 meters with an (assumed constant) speed of 9 m/s. Find the normal force of the track on the coaster at the bottom of the loop.



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