## 5 Pour some sugar on me (6 points)

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Someone pours from some height, with constant flow, sugar on a scale. At a given moment, the scale indicates exactly 1 kg, and at that moment, he stops pouring.

Question: When all sugar that was still on its way down has come to rest on the scale, what does the scale indicate? You can neglect friction and assume the suger is uniformly accelerated, without collisions.