# Week 3 Update: Wheel Control (Motors & Encoders)

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ME/EE/CS 169

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## 3. Encoders

(a) How many counts per motor shaft rotation (rotation of the magnet disk)?

16

(b) How many counts per wheel shaft (motor output)?

720 on both sides

(c) What is the gear reduction in the motor (hint: it is NOT 48 as labeled)?

GR = 720/16 = 45