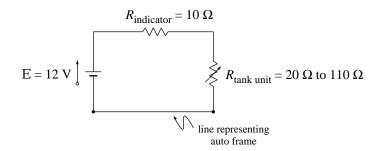
Automobile gas gauge



The current is $i = \mathcal{E}/R_{\text{total}}$ so

Grading: 1 point for free; 3 points for each part.