

- A car forward velocity increases from  $4.0\text{m/s}$  to  $36\text{m/s}$  over a  $4.0\text{s}$  time interval. What is its average acceleration?
- The car slows down from  $36\text{m/s}$  to  $15\text{m/s}$  over  $3.0\text{s}$ . What is its average acceleration?