

ACCIDENT RESCUE

There has just been a serious accident on a deserted stretch of the Interstate, 82 miles from the hospital in Western City and 209 miles from the hospital in Eastern City. A passing motorist's call to 911 is made at 1:14 p.m. The Western City hospital is served by an ambulance that can travel 70 miles per hour. The Eastern City hospital is served by a Life Star Helicopter that can travel 180 miles per hour. Ask students to work on the following problems:

- Assuming that both the ambulance and the helicopter require 10 minutes at the accident site, which vehicle will get the accident victim to which hospital's emergency room soonest?
- At what time would you expect the victim to arrive?
- Where on the Interstate would you be better served by the ambulance and where would you be better served by Life Star?

[Source: A Guide to K-12 Program Development in Mathematics, State of Connecticut]

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