

Car Rally

This task is about solving problems that involve distance and speed.



Jake's rally car averages 130 km/h.

a) If Jake entered a race that took him 6 hours to finish, what distance was the race?

210 km

468 km

600 km

780 km

1300 km

b) The following week Jake entered the same car in a 450 km race.

i) If the race started at 1 p.m., about what time would Jake be likely to finish?

3:30 p.m.

3:45 p.m.

4:30 p.m.

4:45 p.m.

5:30 p.m.

ii) Unfortunately, after 390 km driving at 130 km/h, Jake's car broke down.

It took him 30 minutes to fix the car. He could then only race at an average of 60 km/h.

How long did the 450 km race take him?

3 hours

3.5 hours

4 hours

4.5 hours

5 hours

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