

SPEED PROBLEMS

1. A lorry travels 450 km in 5 hours.
For the first 300 km the lorry travels at an average speed of 100 km/h.

Calculate the average speed of the lorry for the remaining 150 km.

2. A car travels 224 miles in 4 hours.
For the first 120 miles the car travels at an average speed of 50 mph.

Calculate the average speed of the car for the remaining 104 miles.

3. A bus travels 83 miles in 3 hours.
For the first 48 miles the bus travels at an average speed of 30 mph.

Calculate the average speed of the bus for the remaining 35 miles.

4. A new jet fighter is being tested in flight trials.
The top speed of the plane is 800 km per hour.
It carries enough fuel to safely allow 4 hours of flight.

It leaves its base and travels 500 km to its target zone before returning to its base.

Calculate the maximum time the jet can spend over the target area.

Give your answer in **hours and minutes**.

5. A car travelled 140 miles at an average speed of 50 mph.
For how long was the car travelling?

Give your answer in **hours and minutes**.

6. A jet fighter flew 1400 miles at an average speed of 420 mph.
For how long was the fighter flying?

Give your answer in **hours and minutes**.

ANSWERS

1. 75 Km/h
2. 65 mph
3. 25 mph
4. 2 hr 45 min
5. 2 hr 48 min
6. 3 hr 20 min