

Estimating Travel Time and Cost

Chapter 1: We the Travellers–I · Topic 2

Key Concept

To estimate travel time, we consider the distance and typical speed - for example, if a car travels about 60 km per hour, a 180 km trip takes roughly 3 hours.

Estimating cost involves considering fuel, tickets, or fares - like estimating a taxi ride costs around 10-15 rupees per kilometre.

Estimation helps with planning when we don't need an exact figure but want a reasonable idea, like knowing roughly when we'll arrive or how much money to carry.

Practising estimation for travel time and cost develops practical maths skills useful for real trips and everyday budgeting.

Quick Revision Notes

- Estimating time considers distance and typical speed.
- 180 km at 60 km/hour takes about 3 hours.
- Estimating cost considers fuel, tickets or fares.
- Taxi cost might be estimated per kilometre.
- Estimation helps planning without exact figures.
- Estimation gives a reasonable idea, not an exact answer.
- This skill is useful for real trips and budgeting.
- Practice improves our estimation accuracy over time.

Practice Questions

- 1 Estimate the time for a 150 km trip at 50 km/hour.
- 2 Estimate the cost of a taxi ride of 10 km.
- 3 Estimate how long it takes to travel to a nearby city.
- 4 Compare your estimate with an actual travel time, if possible.
- 5 Discuss why estimation is useful for planning.
- 6 Practice two more travel time or cost estimation problems.