

The Hare and the Tortoise

D3. Explore the relationship between time, distance and average speed



In this version

- . The race is 10 km (kilometres) long.
- . The hare runs at 10 times the speed of the tortoise.
- . The tortoise take 2 hours and 30 minutes to complete the race.
- . The hare arrives at the finish 30 seconds after the tortoise.
- . For how long does the hare sleep?

Strand:	Measures
Strand unit:	Time
Assessment:	Teacher Observation, Pupil Learning Log, Pupil Portfolio, Teacher Questioning, KWL Chart
Skill:	Applying and Problem Solving, Communicating and Expressing, Integrating and Connecting, Reasoning, Implementing



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Solution: The Hare and the Tortoise

- $_{\odot}$ The tortoise takes 2 hrs 30 mins to complete the race.
- Divide that by 10 to give you 15 mins (this is how long the hare takes)
- Subtract 15 mins from 2 hrs 30mins and then add the 30 seconds because the hare finishes 30 seconds after the tortoise.
- Time (hare) = 2 hrs 30 mins 30 secs -15 mins
- $_{\odot}$ So, the hare sleeps for 2 hours 15 minutes and 30 seconds.