Drawing Distance-Time Graphs from Journey Stories

Worksheet: four journey descriptions with blank coordinate grids

Each task has its own blank grid; students label axes, plot points, mark stops, and compare slopes.

Task 1: A walker leaves home at time 0 and walks to a shop 3 km away in 30 minutes. He stays at the shop for 15 minutes, then walks home in 30 minutes. Draw the distance-time graph and mark the stop.

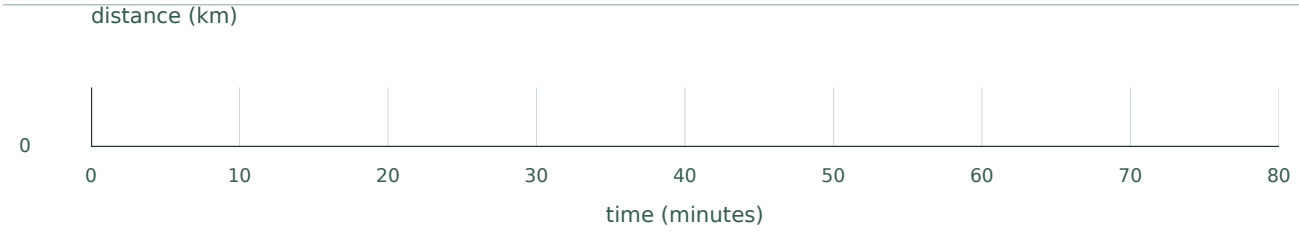
Task 2: A bus leaves a station and travels 10 km in 20 minutes. It waits 10 minutes, then travels 5 km farther in 10 minutes. Draw the graph and label the stop.

Task 3: A runner jogs 2 km away from home in 10 minutes, turns and jogs back in 5 minutes, then stops for 5 minutes. Draw the graph.

Task 4: A delivery van starts 1 km from the depot, drives to a point 6 km from the depot in 25 minutes, stops for 10 minutes, then returns to the depot in 20 minutes. Draw the graph and mark the stop.

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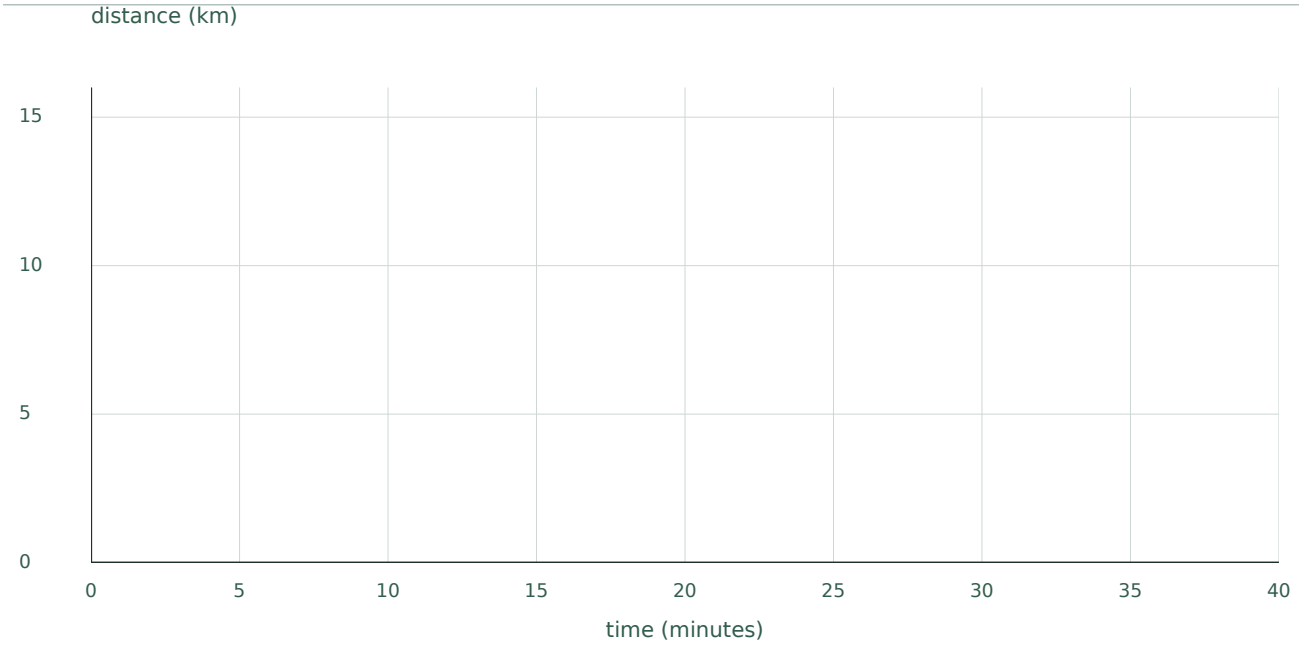
Task 1 blank grid



Student plots (0,0), (30,3), (45,3), (75,0).

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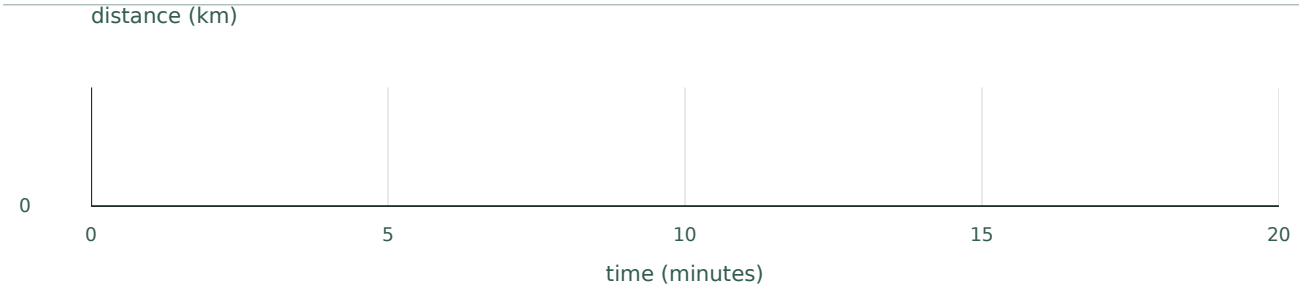
Task 2 blank grid



Student plots (0,0), (20,10), (30,10), (40,15).

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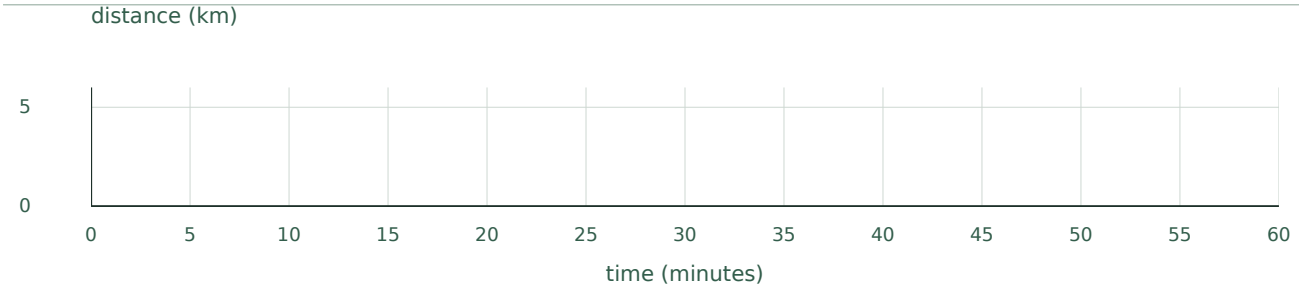
Task 3 blank grid



Student plots (0,0), (10,2), (15,0), (20,0).

Drawing Distance-Time Graphs from Journey Stories

Task 4 blank grid



Student plots (0,1), (25,6), (35,6), (55,0).

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Original tasks 1, 2, 3 / blank responses

Task 1

A walker leaves home at time 0 and walks to a shop 3 km away in 30 minutes. He stays at the shop for 15 minutes, then walks home in 30 minutes. Draw the distance-time graph and mark the stop.

Task 2

A bus leaves a station and travels 10 km in 20 minutes. It waits 10 minutes, then travels 5 km farther in 10 minutes. Draw the graph and label the stop.

Task 3

A runner jogs 2 km away from home in 10 minutes, turns and jogs back in 5 minutes, then stops for 5 minutes. Draw the graph.

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Original tasks 4 / blank responses

Task 4

A delivery van starts 1 km from the depot, drives to a point 6 km from the depot in 25 minutes, stops for 10 minutes, then returns to the depot in 20 minutes. Draw the graph and mark the stop.