Mathematics

Speed as rate (Distance-time graphs)

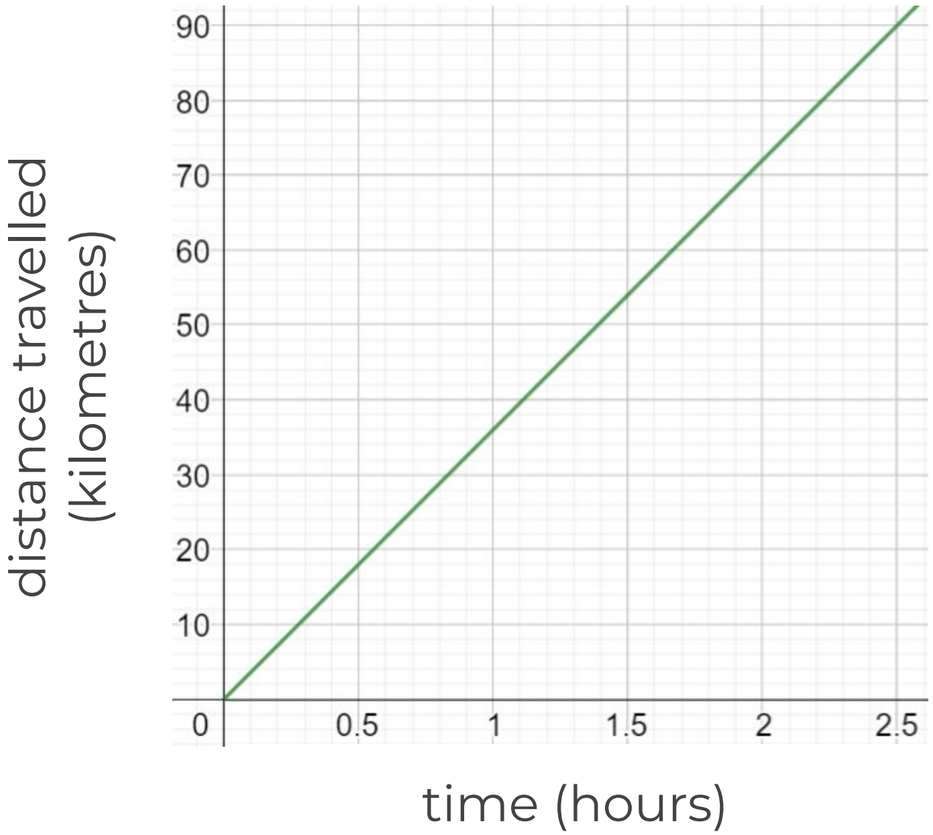
Lesson 5 of 8

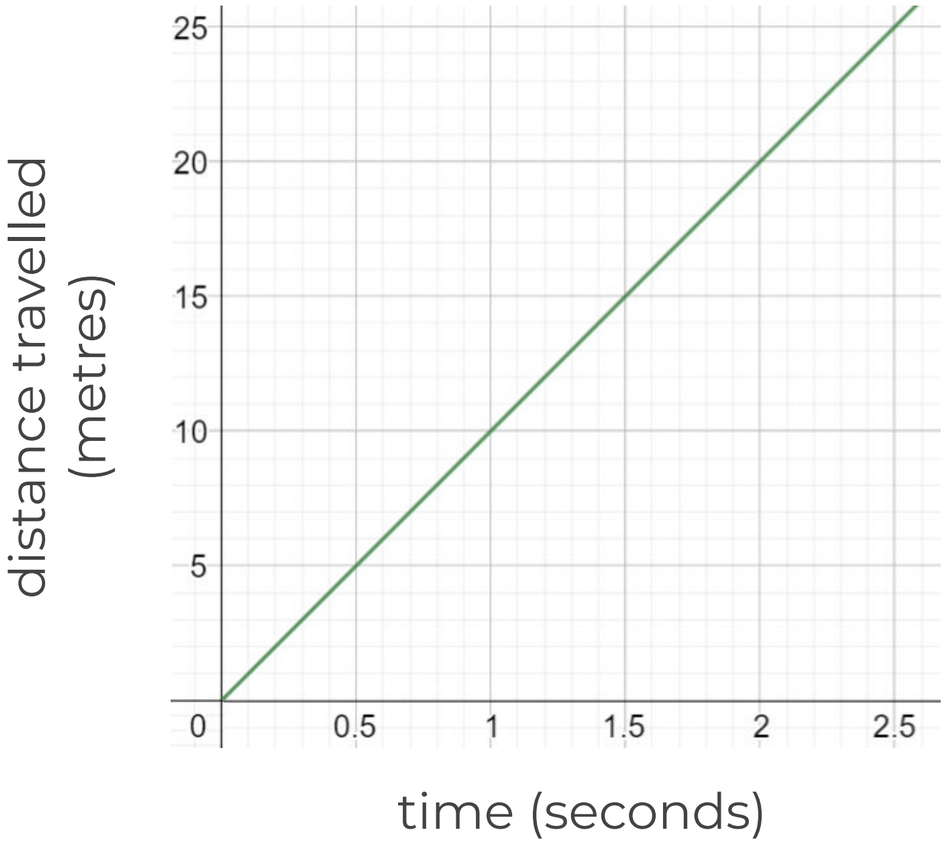
Downloadable resource

Miss Kidd-Rossiter

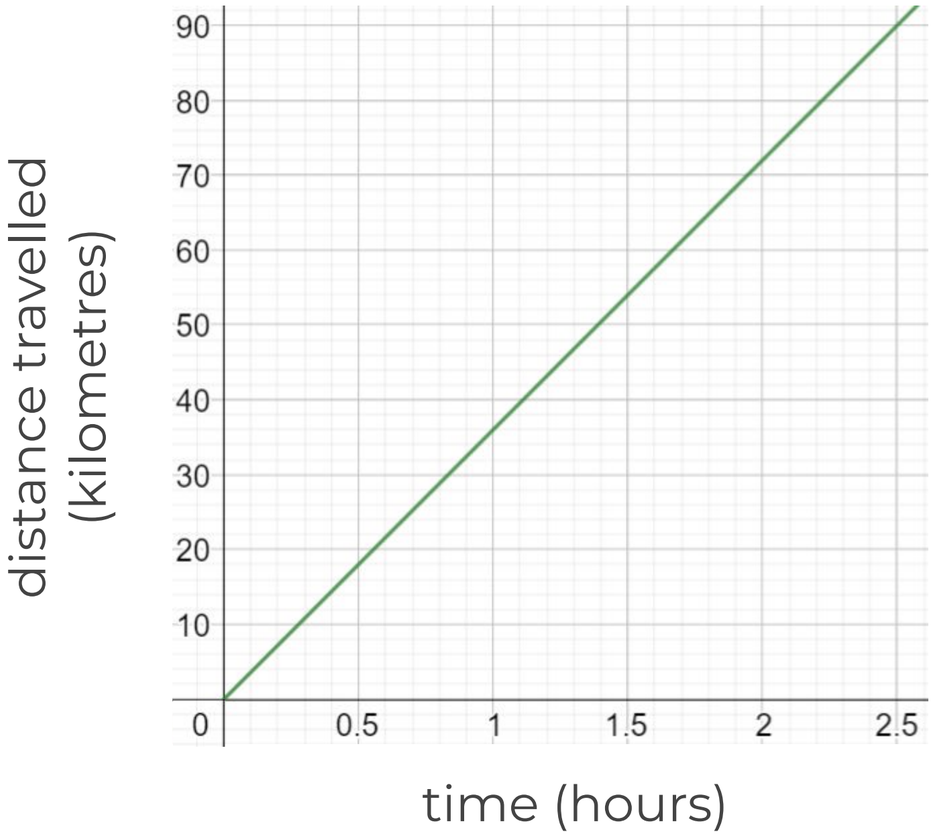
Try this

What’s the same about what these graphs show? What’s different?





Connect



We can think of speeds as distance per unit of time.

Independent task

A car is travelling at 30 kilometres per hour. How far will the car travel in:

a. 30 minutes
b. 3 hours
c. One and a half hours
d. 3 hours and 45 minutes

Independent task

How can you describe the speed in each of these statements?

a. Binh walks 1 mile in 20 minutes

b. Cala cycles 54 km in 3 hours.

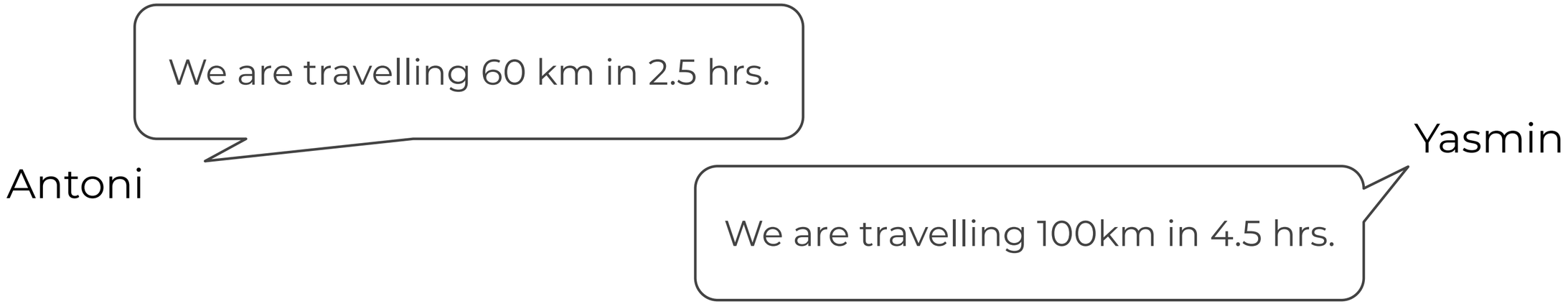
c. Xavier swims 150 m in 6 minutes

d. Zaki runs 14 km in 2 hours

Hint: we can think of speeds as distance per unit of time

Independent task

Who is going faster? Antoni or Yasmin?



Explore

The graphs below show a car travelling at **the same speed**.

Complete the boxes three different ways.

5 miles = 8 kilometres