

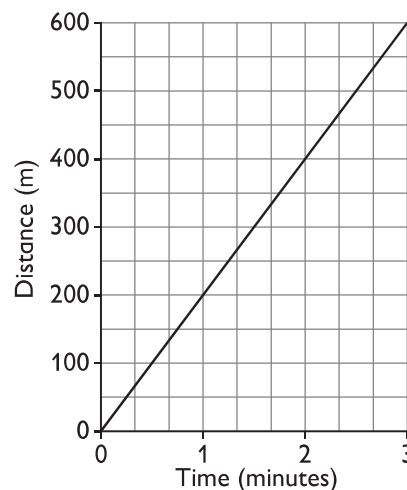
# Using graphs

**WS**  
**45s**

## Travel graphs I

- 1** Rachael is running on a treadmill at the gym. The graph shows part of the time she is on the machine.

- (a) How far has she run after
- (i) 1 minute
  - (ii) 2 minutes
  - (iii) 3 minutes?
- (b) How far does she travel in each minute?
- (c) The graph is a straight line. What does this tell you about the speed at which she is running.
- (d) What is Rachael's speed in metres per minute?



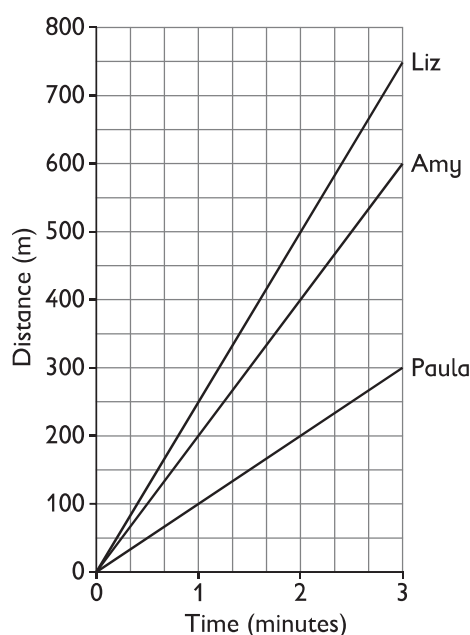
- 2** Amy, Liz and Paula are on different treadmills?

- (a) Who is going the fastest?
- (b) Who is going the slowest?

Each treadmill has an information panel which gives information about the speed the treadmill is set at, the running time and distance. Here is the display on Paula's panel part of the way through her run.

### Paula

SetSpeed	Time		Distance
0100 m/min	02	00	0200 metres
	mins	secs	



- (c) Copy and complete these panels for Amy and Liz.

### (i) Amy

SetSpeed	Time		Distance
	01	00	
m/min	mins	secs	metres

### (ii) Liz

SetSpeed	Time		Distance
	02	30	
m/min	mins	secs	metres