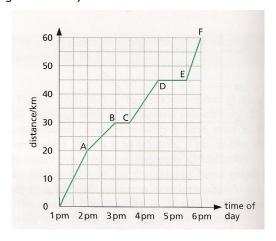
Exercises on Describing Motion

Name

1. The distance-time graph of the girl on a bicycle is shown below.



- a. How far did she travel?
- b. How long did it take her?
- c. What is her average speed in kmh⁻¹?

- d. How many times did she stop?
- e. How long did she stop for altogether?
- f. Calculate her average speed in kmh⁻¹ for:

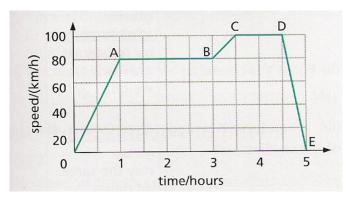
Stage 0-A

Stage A-B

Stage C-D

Stage E-F

2. The speed-time graph of a car on a 5-hour journey is shown below.



a. At which stage(s) was the car accelerating?

decelerating?

moving at constant speed?

b. Calculate the average acceleration (in kmh⁻²) of the car in each region.

O-A

A-B

	B-C
	C-D
	D-E
c. '	What is the total distance traveled?
d.	Calculate the average speed of the car for the whole journey (in kmh $^{ ext{-}1}$).
	If a train travelling at 10 m/s starts to accelerate at 1 m/s ² for 15s on a straight track, its final velocity in m/s is

3. **A** 5 **B** 10

C 15 D 20

E 25