Cambridge Assessment International Education

Science

Stage 8

Paper 1 **PRACTICE PAPER** **2024**

Cambridge Lower Secondary Progression Test

Name

Class

Date

45 minutes

No additional materials are needed.

INSTRUCTIONS

- Answer **all** questions.
- Write your answer to each question in the space provided.
- You should show all your working on the question paper.

LIVEWORKSHEETS

1 Ahmed has time and distance measurements for a bicycle journey.

time in s	distance in m
0	0
20	60
40	240
60	420
80	600
100	760

(a) Write down the equipment he uses to make these measurements.

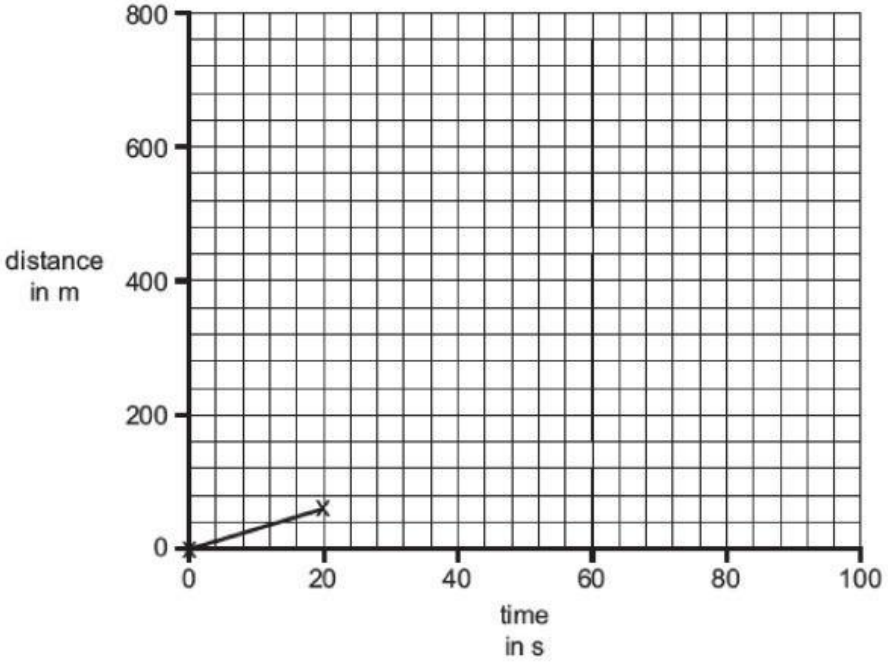
time to measure 20 s .....

distance to measure 60 m .....

[2]

(b) Complete the graph by:

- plotting the other four points
- drawing a line to connect the points.



[2]

LIVEWORKSHEETS

(c) Calculate the speed when a distance of 60 m is travelled in 20 s.

Use the equation shown.

$$\text{speed} = \frac{\text{distance}}{\text{time}}$$

speed = ... m/s

[1]

2

Yuri runs a 100 m race.

He takes 13 seconds to run 100 m.

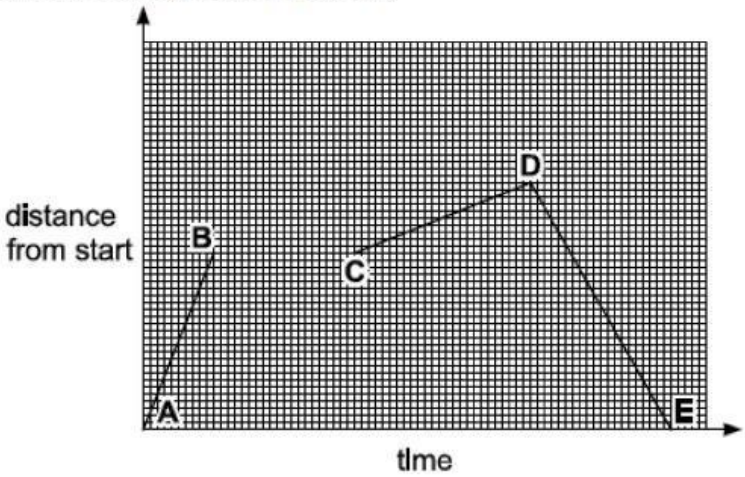
(a) Calculate Yuri's average speed.

Include the units in your answer.

Yuri's average speed = ... [2]

(b) Yuri does a run.

Look at the distance / time graph for Yuri's run.



Yuri stops for a rest.

Between which points does Yuri stop for a rest?

LIVEWORKSHEETS

Tick (✓) the box next to the correct answer.

A and **B** ☐

B and **C** ☐

C and **D** ☐

D and **E** ☐

[1]

3.

This question is about energy resources.

(a) Look at the list of resources.

bioplastics

fossil fuels

tidal power

vegetable oil

solar power

Complete the table to group the resources into renewable **and** non-renewable resources.

renewable	**non-renewable**

[2]

LIVEWORKSHEETS

(b) Wind power and coal are resources used to generate electricity.

Describe **two** advantages of using wind power instead of coal to generate electricity.

1 .....

.....

2 .....

.....

[2]

LIVEWORKSHEETS