

Paper Reference(s) 1SC0/1PF
Pearson Edexcel Level 1/Level 2 GCSE (9–1)

Combined Science
PAPER 3
Foundation Tier

Diagram Booklet

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

INSTRUCTIONS

There may be spare copies of some diagrams in case you need them.

THIS DIAGRAM BOOKLET MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.

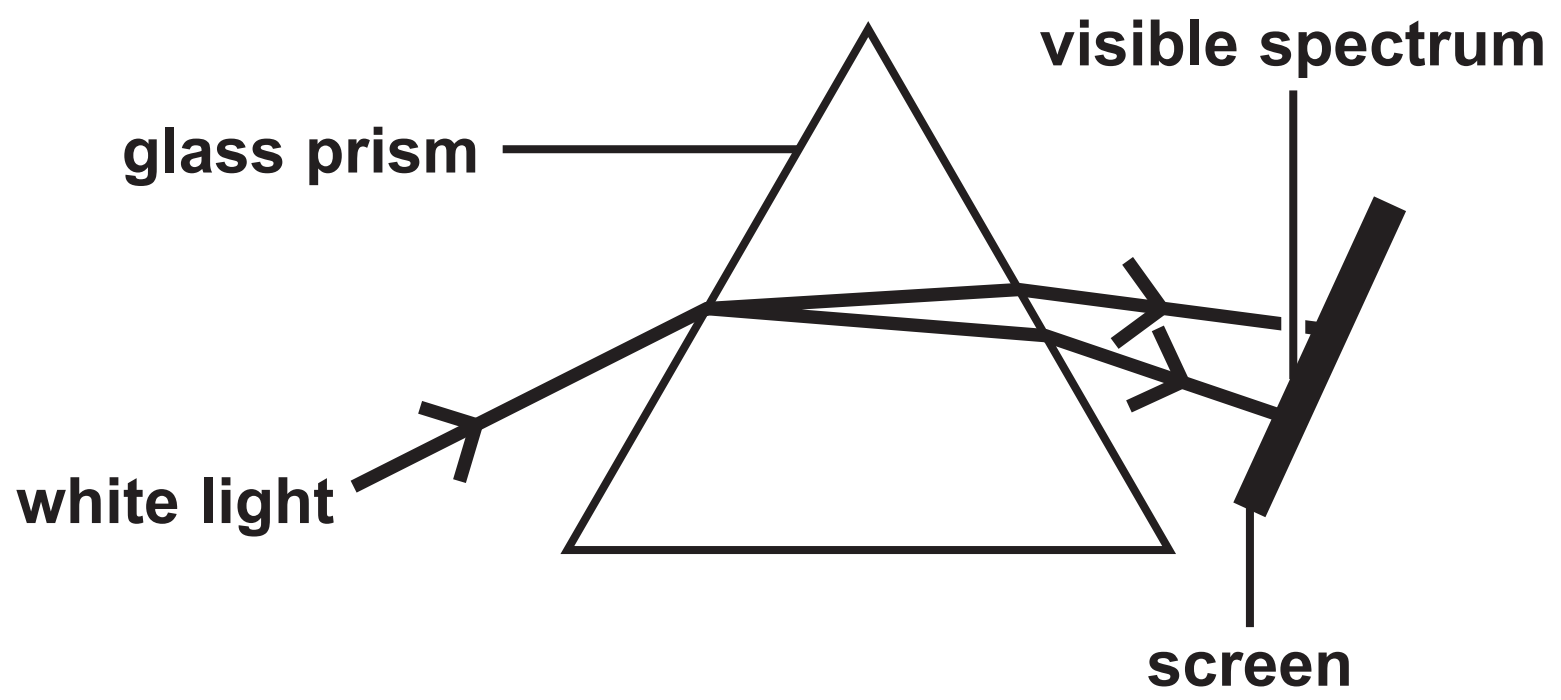
Contents

Page

4	Question 1(a)
5	Question 1(b)
6	Question 2(a)
7	Question 3(a)
8	Question 3(c)
9	Question 3(c)(i) and 3(c)(ii)
10	Question 3(c)(i) and 3(c)(ii) (Spare copy)
11	Question 4(b)
12	Question 4(b) (Spare copy)
13	Question 5(b)
14	Question 5(c)
15	Question 5(d)
16	Question 6(a)
17	Question 6(b)

Question 1(a)

FIGURE 1



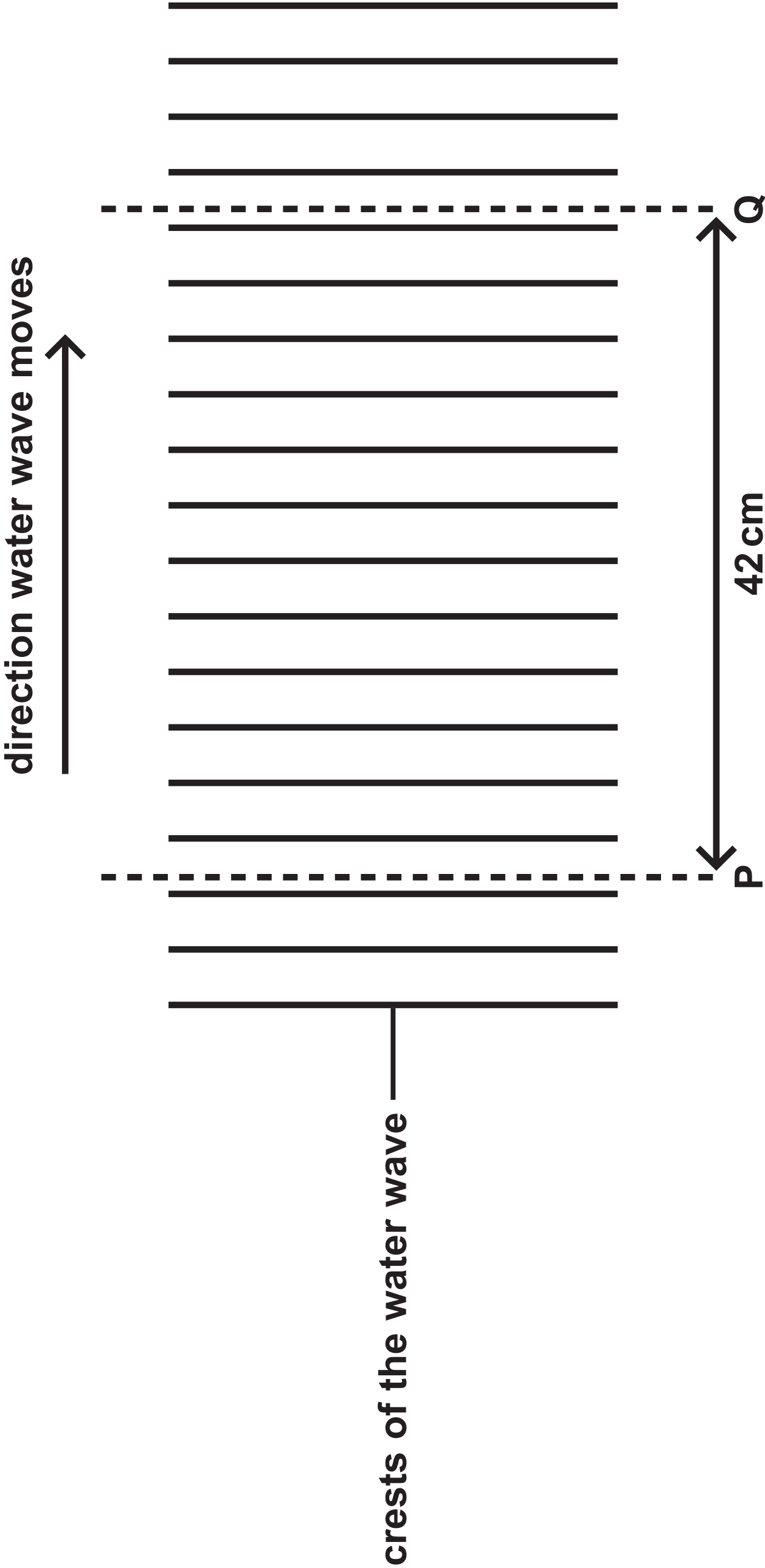
Question 1(b)

FIGURE 2

radio	microwaves	infrared	visible light	ultraviolet	x-rays	gamma rays
-------	------------	----------	---------------	-------------	--------	------------

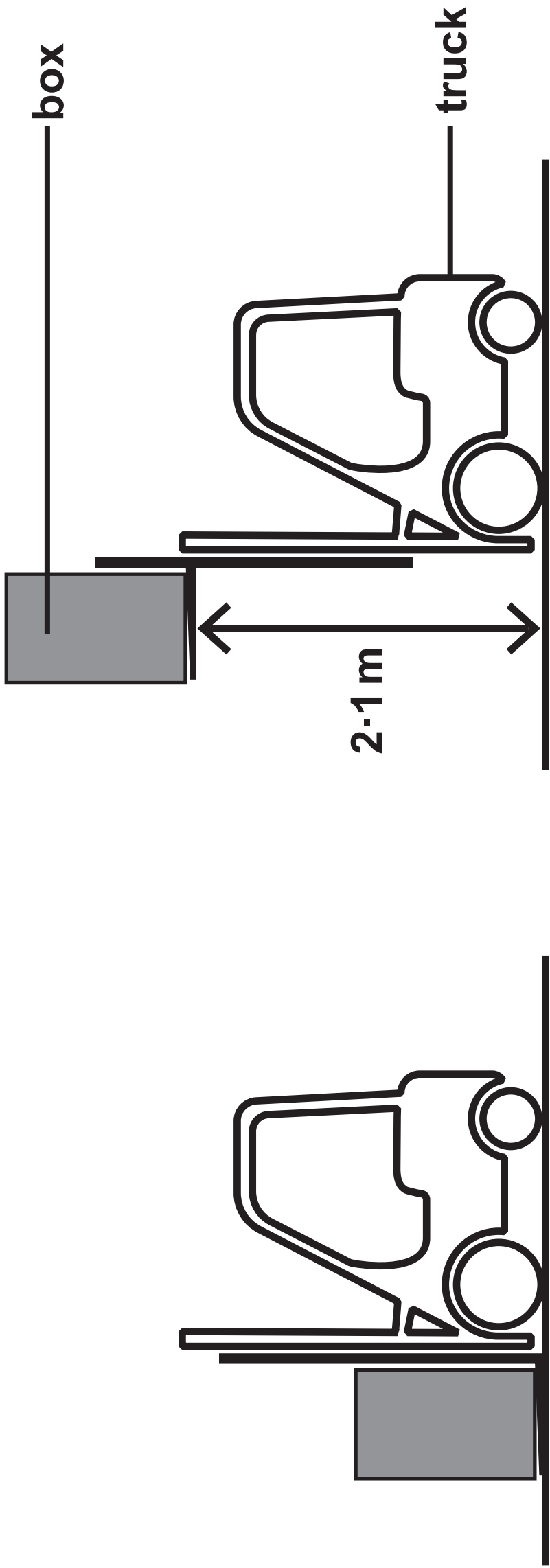
Question 2(a)

FIGURE 3



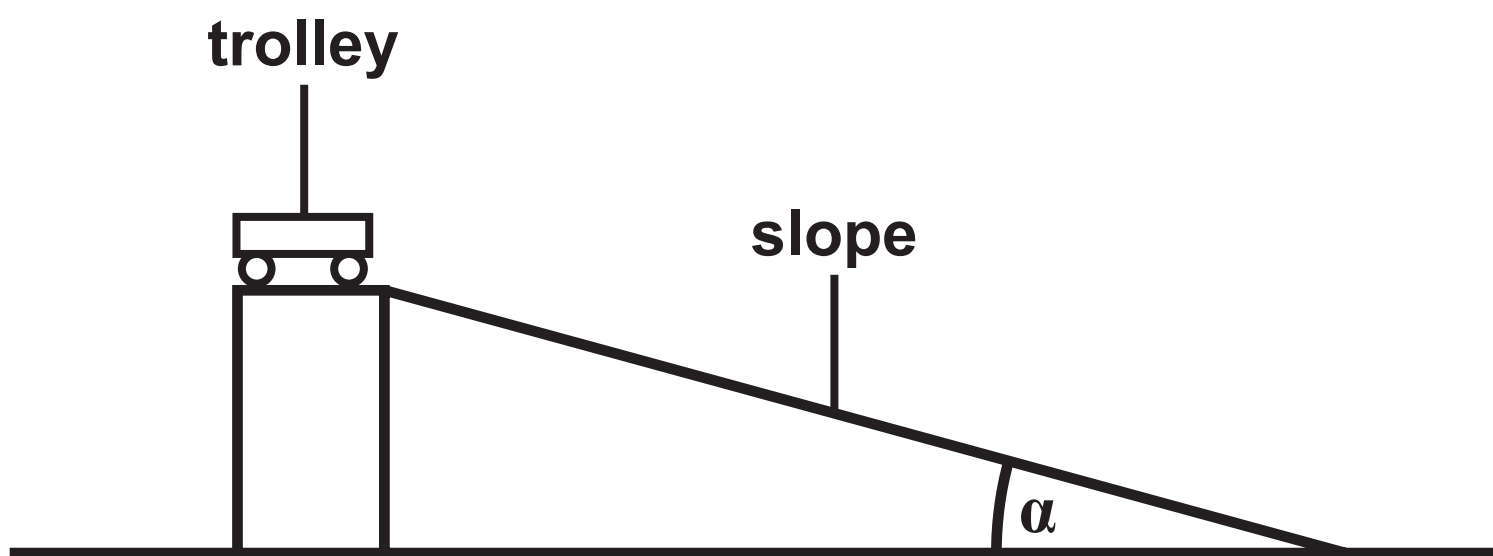
Question 3(a)

FIGURE 4



Question 3(c)

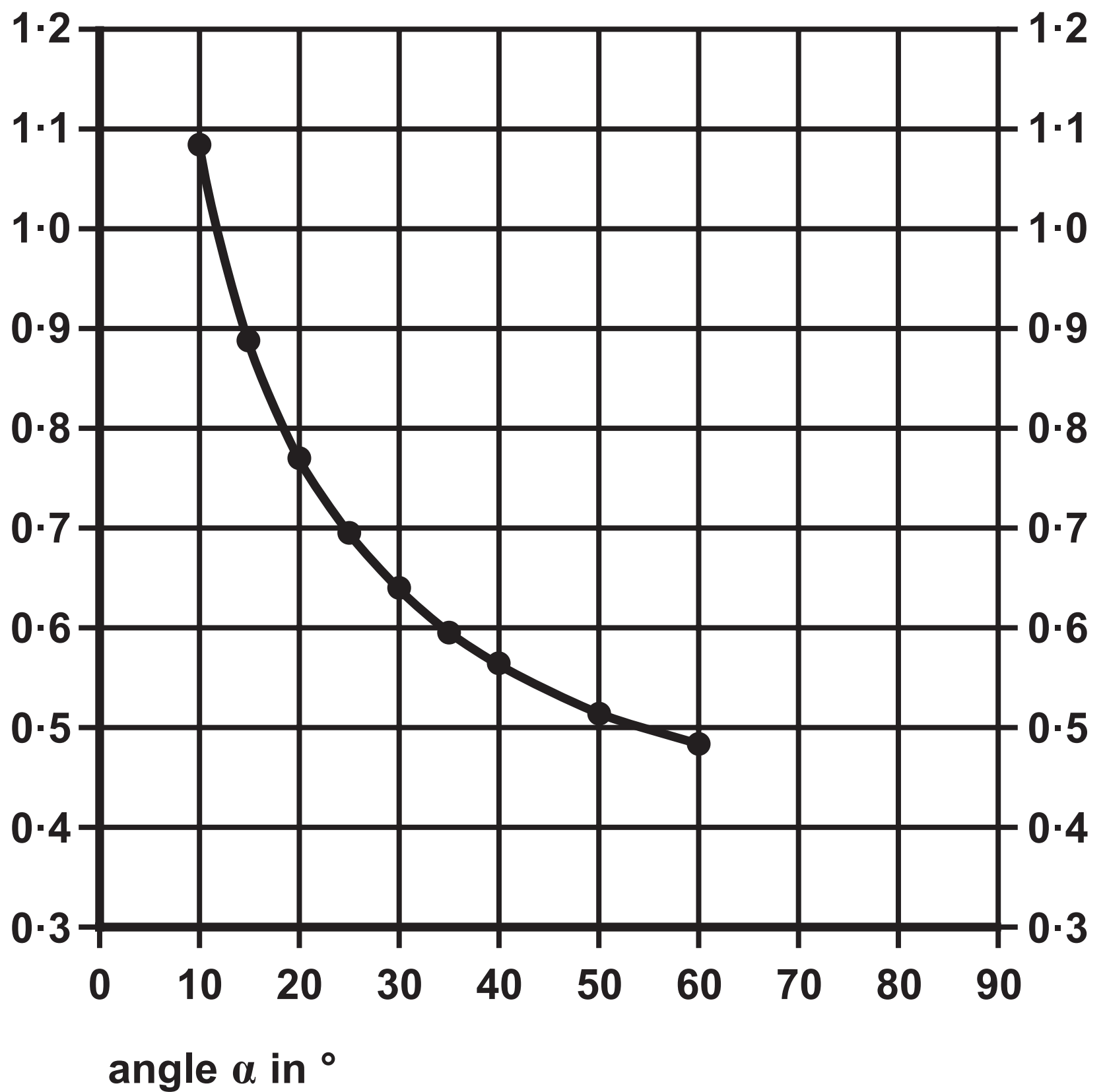
FIGURE 5



Question 3(c)(i) and 3(c)(ii)

FIGURE 6

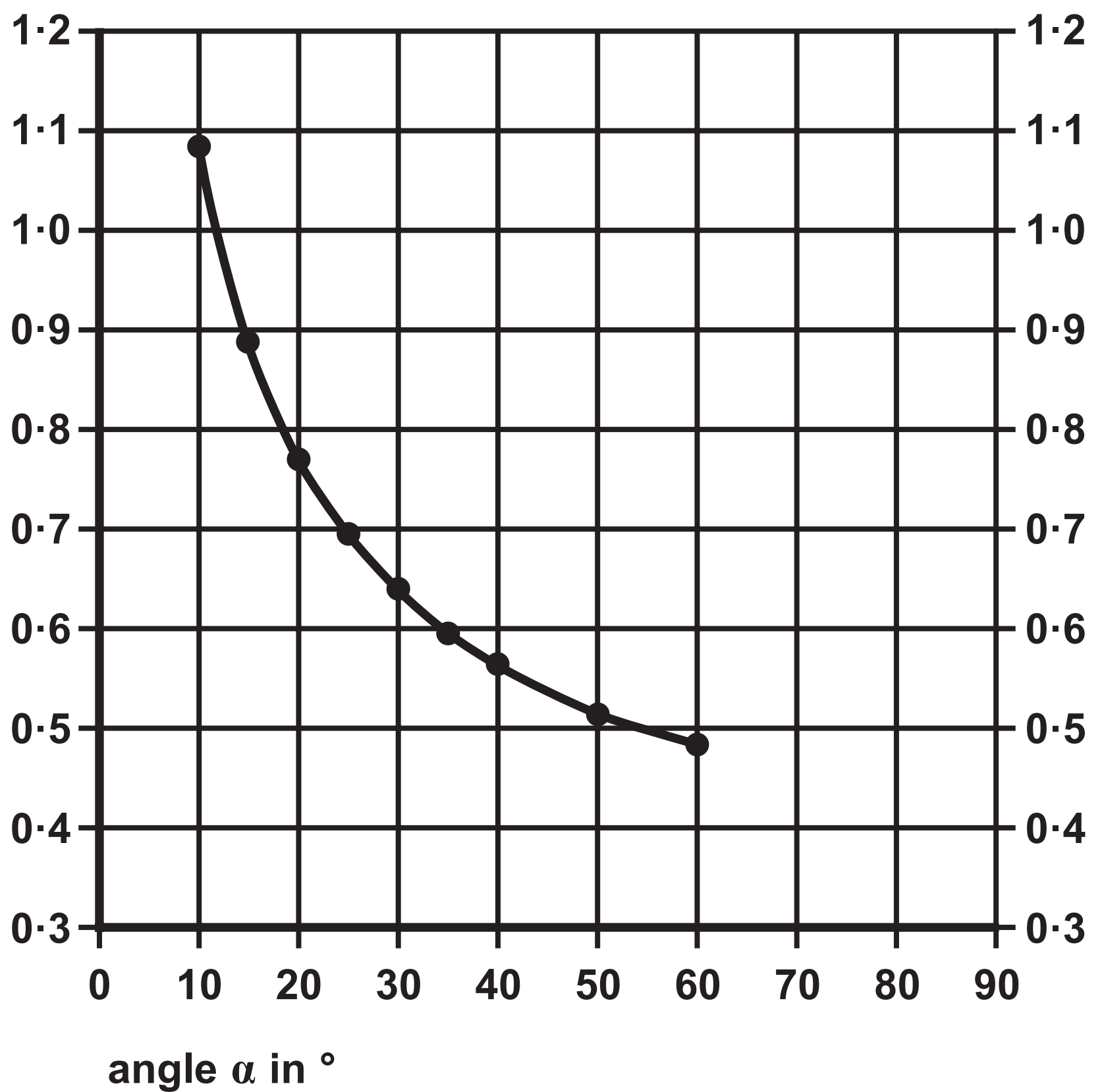
time the trolley takes
to roll down the ramp
in s



Question 3(c)(i) and 3(c)(ii)

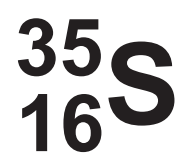
FIGURE 6

time the trolley takes
to roll down the ramp
in s



Question 4(b)

FIGURE 8



type of particle

proton

neutron

nucleon

number of particles

35

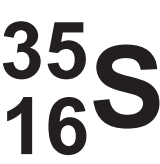
16

51

19

Question 4(b)

FIGURE 8



type of particle

proton

neutron

nucleon

number of particles

35

16


51

19

Question 5(b)

FIGURE 9

small copper can — 

large copper can — 

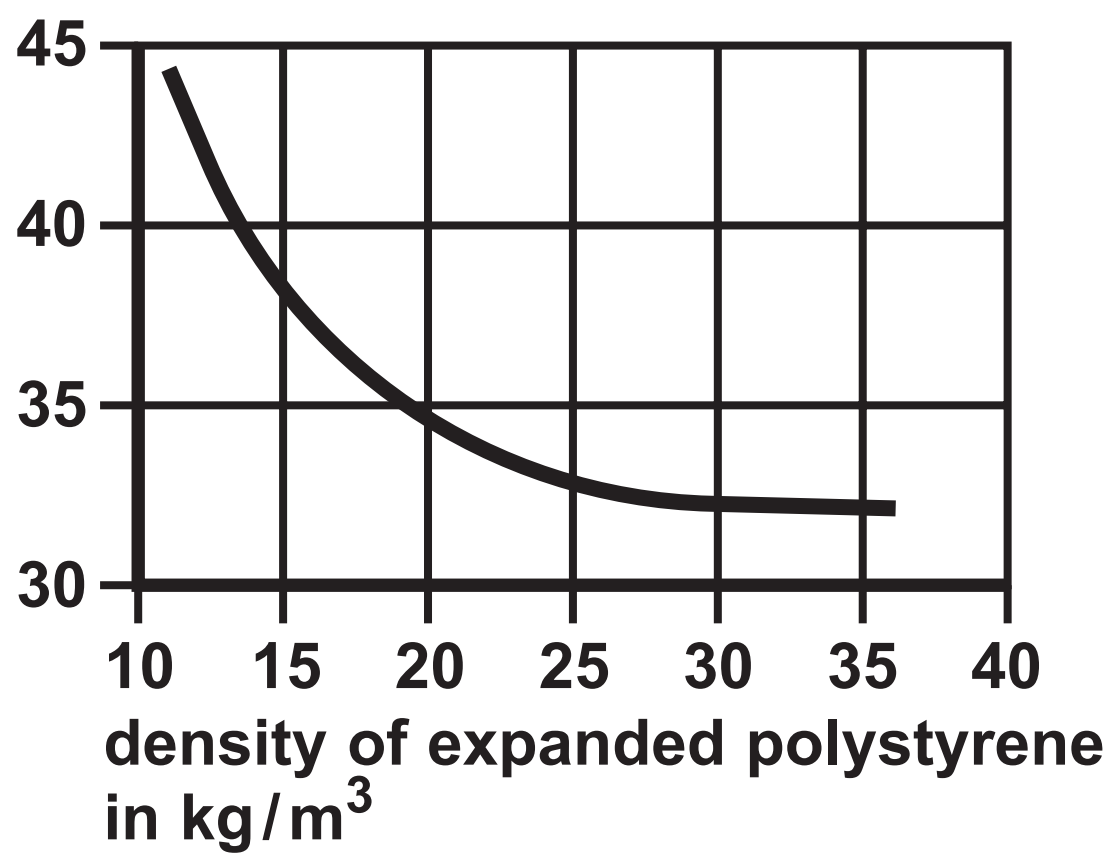
sand — 

sawdust — 

Question 5(c)

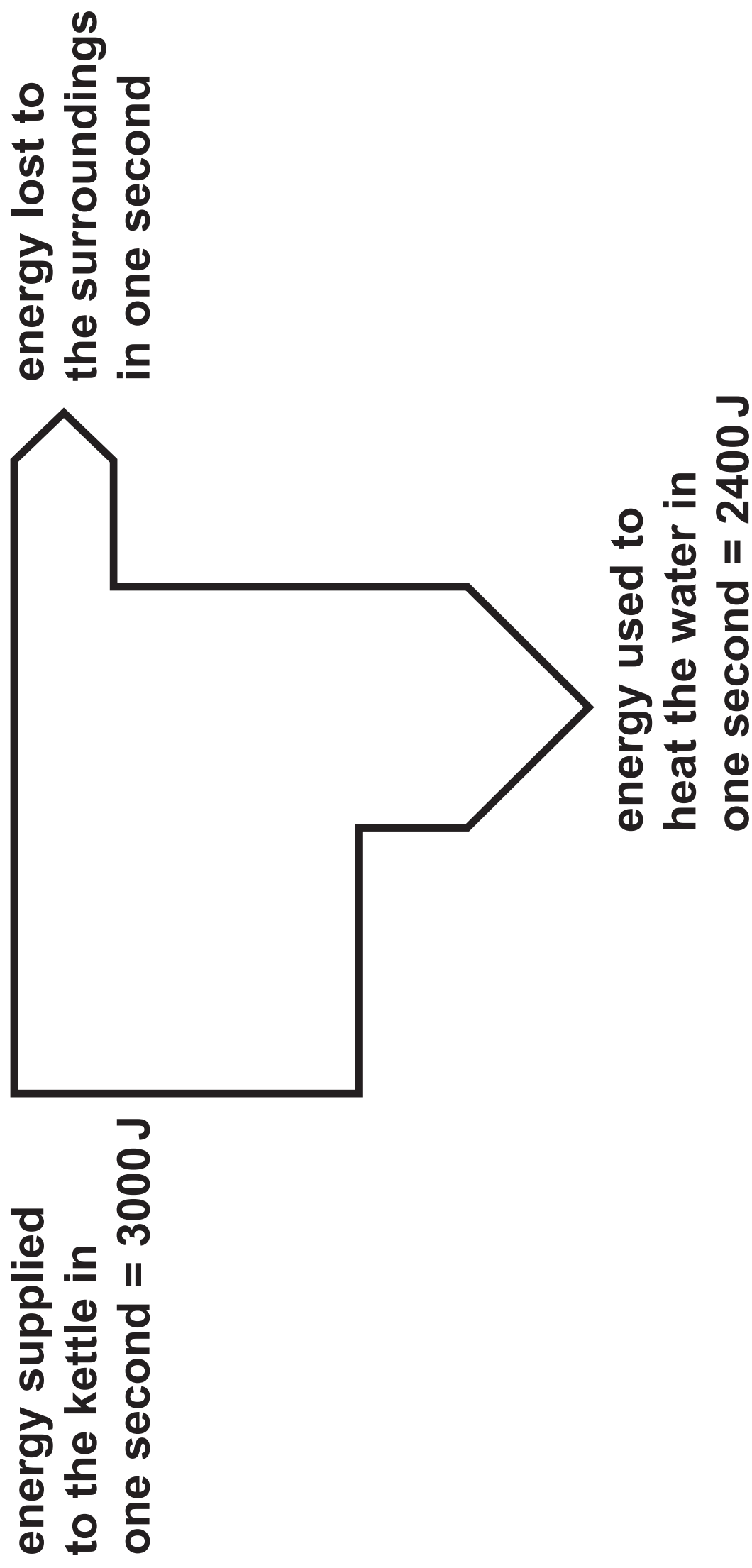
FIGURE 10

thermal conductivity of
expanded polystyrene
in mW/m.K



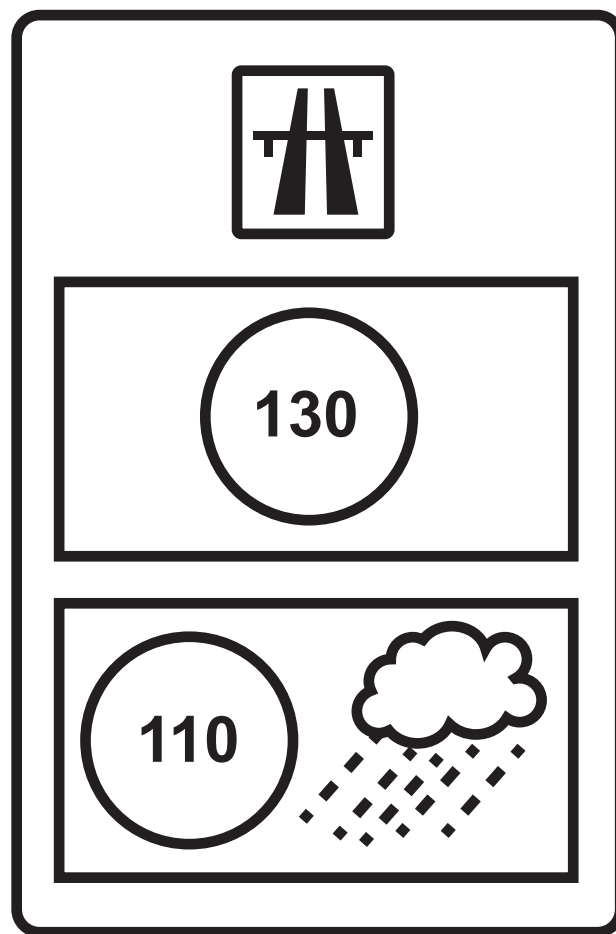
Question 5(d)

FIGURE 11



Question 6(a)

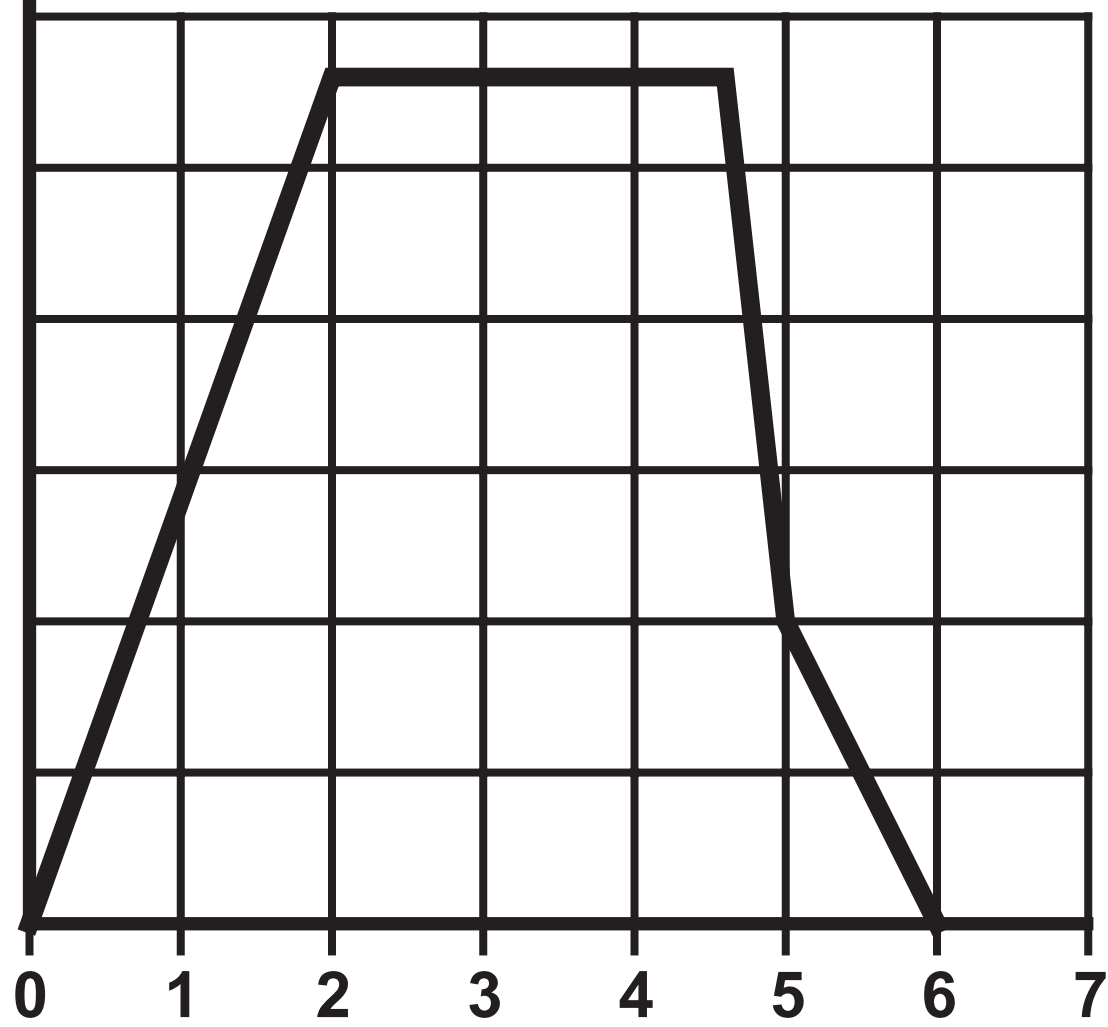
FIGURE 12



Question 6(b)

FIGURE 13

velocity of toy train



time in s