**T**1

This problem gives you the chance to:

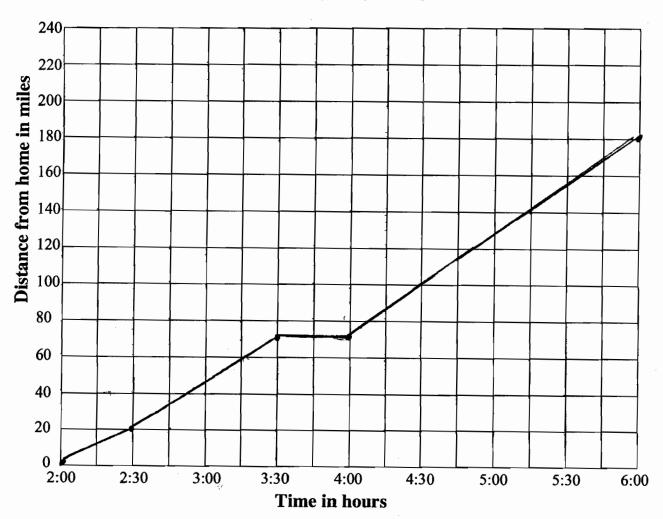
· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	20	70	70	180



3.	What is the average speed for the whole journey?	<u>45me</u>	h
	xplain how you figured it out.		
_	I figured that if I divided	the less into 1/2	hour
	rections and what speed the con we want section and added all 8 sect of divided by 8 of could get to		
,	1/2 section and added all 8 se	ctions socials.	logal
	& Sivided by 8 of could get to	he overage spe	ed.
4.	Use your graph to find:	,	
	a. How far from home I had traveled by 5:15.	1//0	
		140	_ miles
	b. At what time I had traveled 60 miles from home.		•
		3:15	_ hours

**T2** 

This problem gives you the chance to:

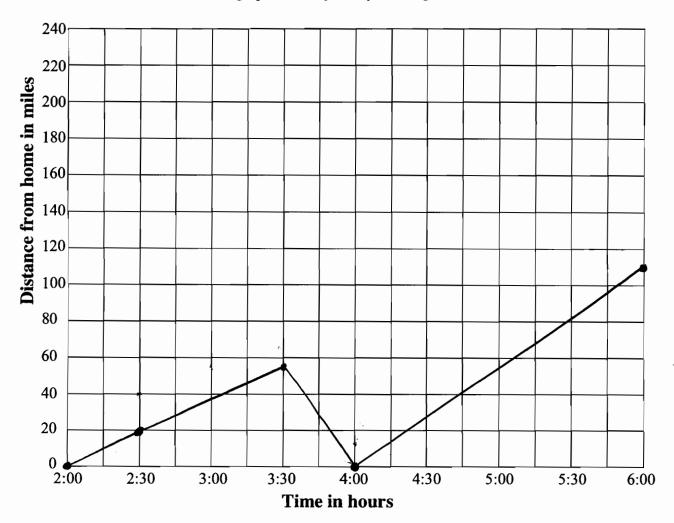
· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	20	55	0	T.10



3. What is the average speed for the whole journey?	301	mpn
Explain how you figured it out.		€
I added all the numbers in the chair	rl up then d	ivided
by 5		
4. Use your graph to find:		
a. How far from home I had traveled by 5:15.	ПΛ	:
	10	miles
b. At what time I had traveled 60 miles from home.		
	~ · · ·	

**T3** 

This problem gives you the chance to:

· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

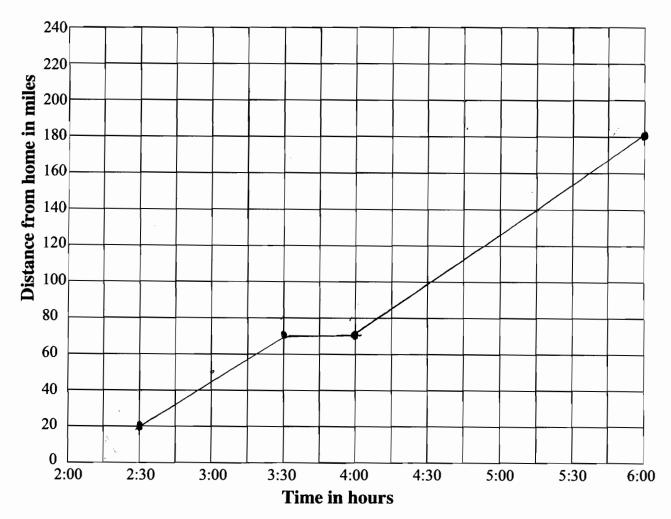


1. Complete this table showing the distances traveled by the end of each stage of my journey

/.	100
	10

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	30	JO	40	180

100



50mph

Explain how you figured it out.

I knew that 14 of ner time she was asing 40+50 mph, and 12 of it she was going 50 mph, 50 then I got 40,50,55,55, and fourtheme an for that

4. Use your graph to find:

a. How far from home I had traveled by 5:15.

miles

b. At what time I had traveled 60 miles from home.

Wout 3:20 hours

5/2/ 1/3/2/ "CRUSH 1/2/ "COUGH

40,50,55,55

7 = 22 may 7 = 20mby 7 = 10mby



14

This problem gives you the chance to:

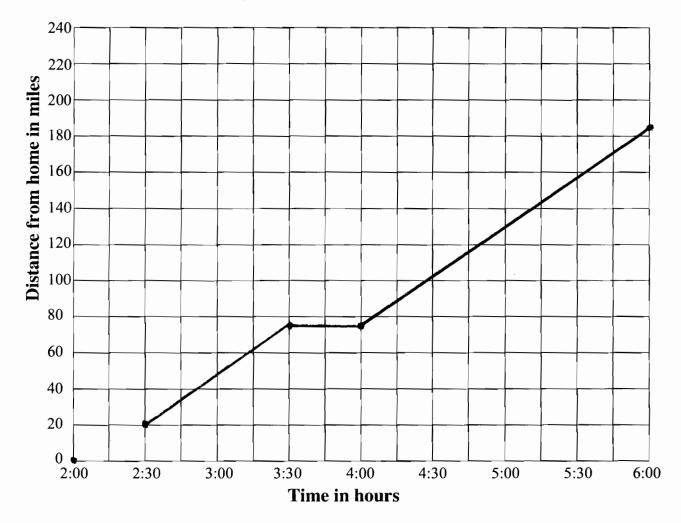
· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	30	75	75	[85



3.	What is the	average	speed for	the	whole	journey'
----	-------------	---------	-----------	-----	-------	----------

48.3 mph.

Explain how you figured it out.

I added up 40+50+55 and got 145. Then I divided that by 3 and got 49.3.

- Use your graph to find:
  - a. How far from home I had traveled by 5:15.

about 140 miles

b. At what time I had traveled 60 miles from home.

3:15 hours



**T5** 

This problem gives you the chance to:

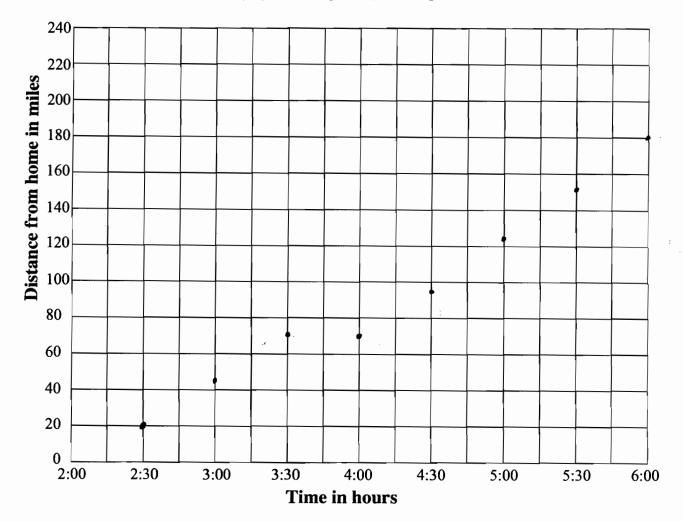
· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	20	70	70	180



3. What is the average speed for the whole journey?	45 mph
Explain how you figured it out.	
I divided 180 by 4.	
4. Use your graph to find:	
a. How far from home I had traveled by 5:15.	138.75 miles
b. At what time I had traveled 60 miles from home.	about 1 4 hours

`

This problem gives you the chance to:

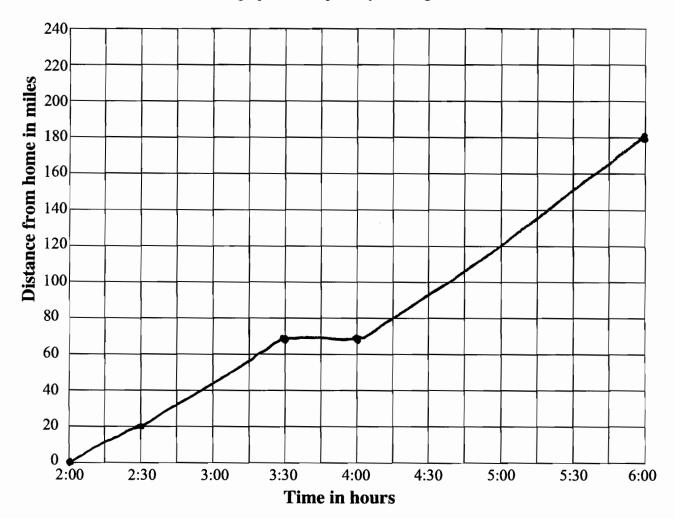
· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	)O	ДD	70	190



3.	What is the average speed for the whole journey?	45mph
Ex	xplain how you figured it out.	
_	You divid 180 by 40 you get 45.	mph. She traveled 9 hours
	and went 180 miles from home 3	0 45 mps
4.	Use your graph to find:  a. How far from home I had traveled by 5:15.	130 miles
	b. At what time I had traveled 60 miles from home.	3:10 hours

**S2** 

This problem gives you the chance to:

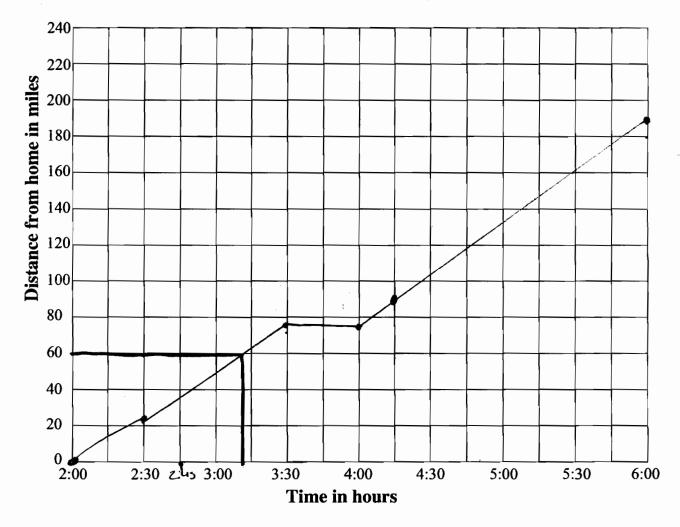
· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	22.5	77.5	77.5	187.5



3.	What is the average speed for the whole journey?	46.875	
Ex	plain how you figured it out.		
	I added all the mon's	up then	
_	deviced it by 4 for now many	# i adat)	
4.	Use your graph to find:		
	a. How far from home I had traveled by 5:15.	90	•1
		mı	iles
	b. At what time I had traveled 60 miles from home.	2 110	,
		3:10 ho	urs

53

This problem gives you the chance to:

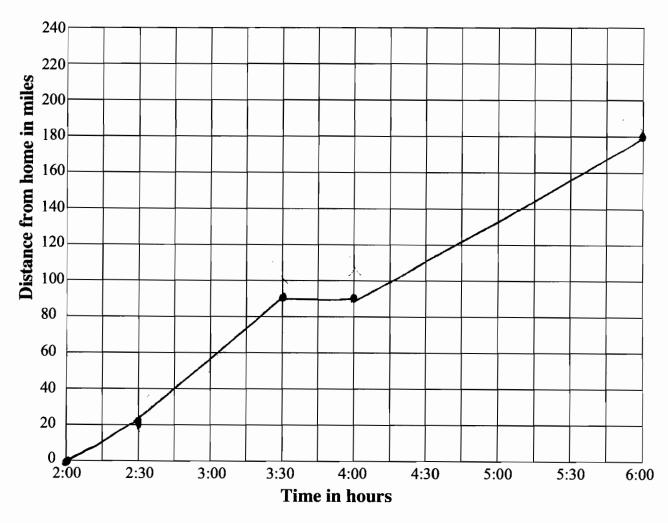
· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	20	70	70	180



Ex L	plain how you figured it out. 10450+50+0+55+55	=310-8-45	;
4.	Use your graph to find:  a. How far from home I had traveled by 5:15.	145	miles
	b. At what time I had traveled 60 miles from home.	3:10	hours

**S4** 

This problem gives you the chance to:

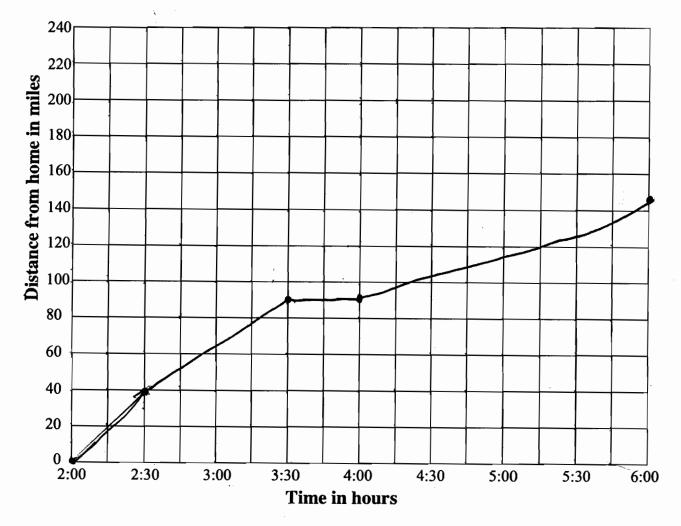
· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	40	9	90	145



3. What is the average speed for the whole journey?	
Explain how you figured it out.	
I just counted the distan	ce between the
miles away from home	
4. Use your graph to find:	
a. How far from home I had traveled by 5:15.	
b. At what time I had traveled 60 miles from home.	hours

This problem gives you the chance to:

· draw and interpret a graph of speed, distance and time

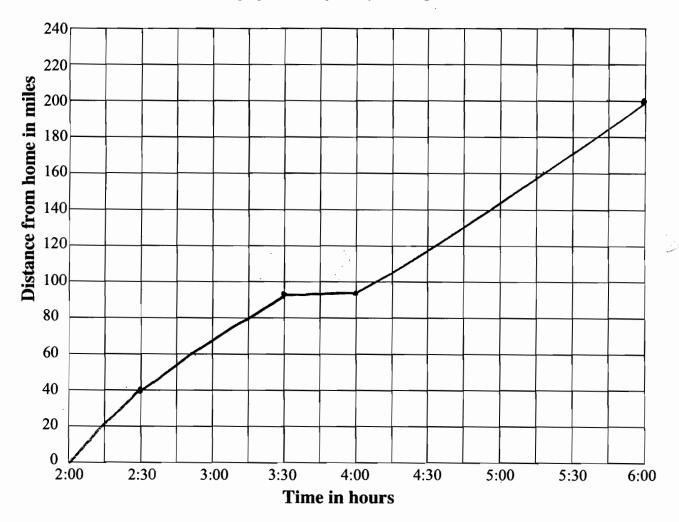


Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	40	9	90	300



about 48

Explain how you figured it out.

I added 40+50+55, and got 145. I then divided 145 by 3 and got 48.3 but rounded down to 48.

- 4. Use your graph to find:
  - a. How far from home I had traveled by 5:15.

about 160 miles

b. At what time I had traveled 60 miles from home.

ground 2:50 hours

**S6** 

This problem gives you the chance to:

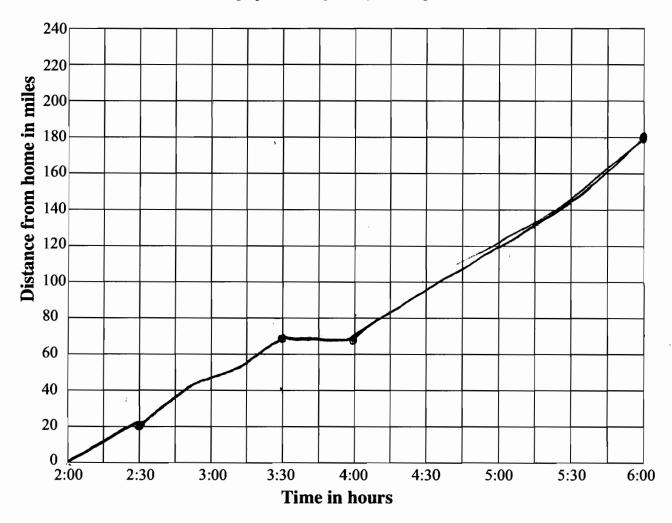
· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	20	70	70	180



**S6** 

45m/hc

3. What is the average speed for the whole journey?

Explain how you figured it out.

I used a ratio

of

4 hcs - 4

X= 45

- 4. Use your graph to find:
  - a. How far from home I had traveled by 5:15.

aprox \_\_\_\_\_130

miles

b. At what time I had traveled 60 miles from home.

aprox

3.20

hours

**S7** 

This problem gives you the chance to:

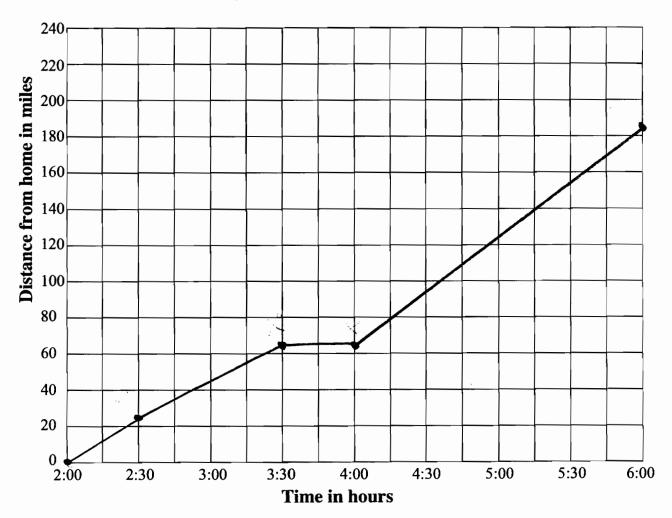
· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	22.5	72.5	72.5	182.5



45.625

Explain how you figured it out.

I added 22.5 (half of 45), 50, 0, and 110 (twice of 53). Then divided it by 4.

- 4. Use your graph to find:
  - a. How far from home I had traveled by 5:15.

140 \_\_\_\_ miles

b. At what time I had traveled 60 miles from home.

3:17'50 hours

S8

This problem gives you the chance to:

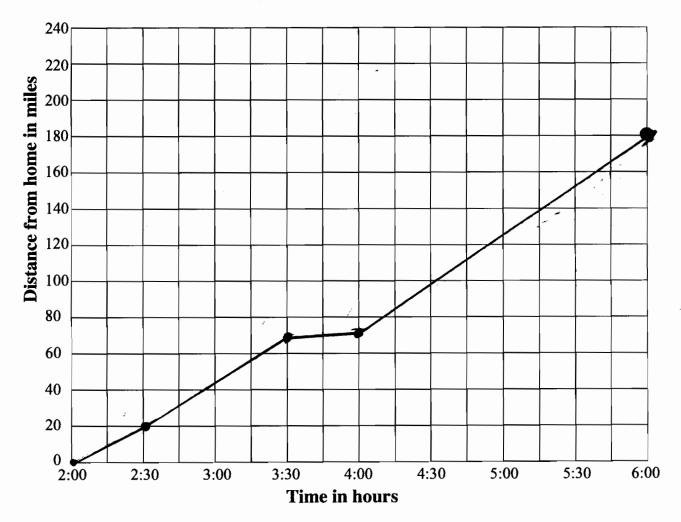
· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	20	70	0	180



3. What is the average speed for the whole journey?	10 mph
Explain how you figured it out.	tha 50mph
the whole time.	<u> </u>
4. Use your graph to find:	
a. How far from home I had traveled by 5:15.	140 miles
b. At what time I had traveled 60 miles from home.	3.17 hours

S9

This problem gives you the chance to:

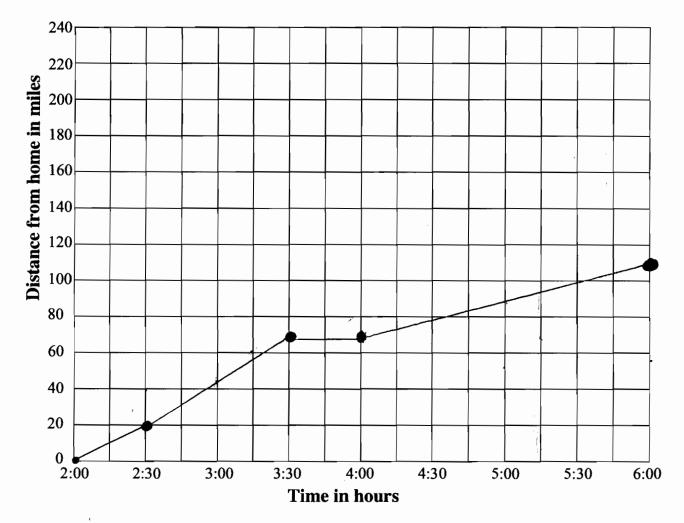
· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	10	J0	70	110



48.3

Explain how you figured it out.

I added 40+50+55=145 and divided that by 3.

- 4. Use your graph to find:
  - a. How far from home I had traveled by 5:15.

137,75

miles

b. At what time I had traveled 60 miles from home.

3:15

hours

2000

This problem gives you the chance to:

· draw and interpret a graph of speed, distance and time

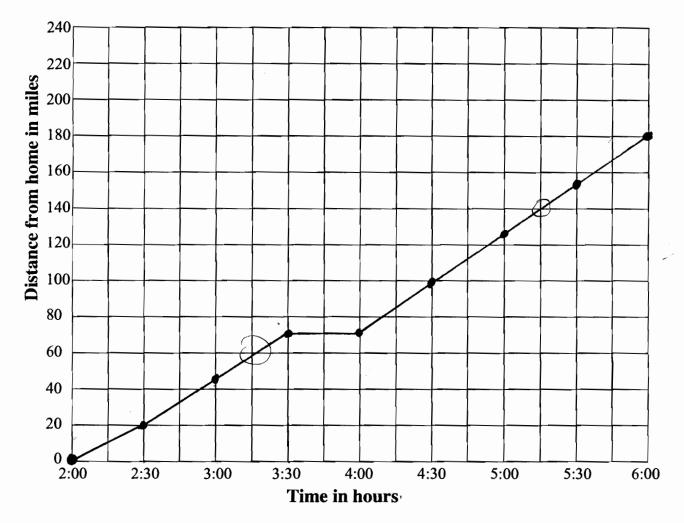
S10

Here is a description of a car journey.

"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

1. Complete this table showing the distances traveled by the end of each stage of my journey.

Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	20	70	70	130
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
	20		ōO (	) (	0



36.25 mph

Explain how you figured it out.

1 added: 40+50+0+55=145-14=36.25

- 4. Use your graph to find:
  - a. How far from home I had traveled by 5:15.

b. At what time I had traveled 60 miles from home.

3:15 hours