T1

Z

This problem gives you the chance to:

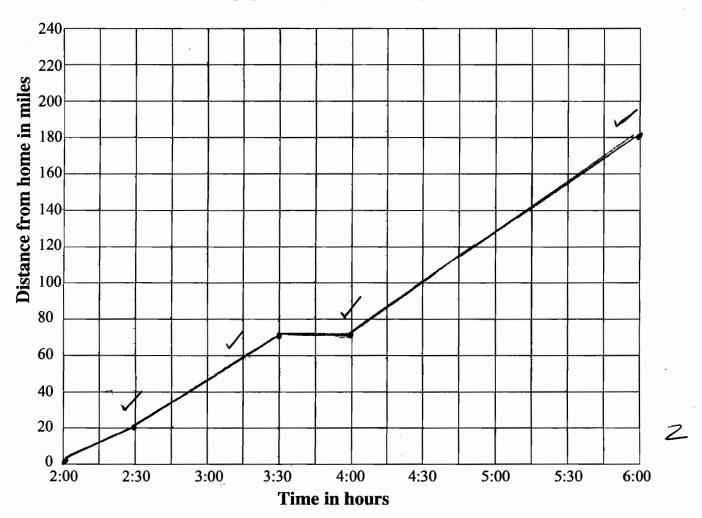
· draw and interpret a graph of speed, distance and time

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
	_				



45mph 11

Explain how you figured it out.

It figured that if I divided the tops into 1/2 hour

sections and what speed the can was traveling at for sect
1/2 section and added all 8 sections speed to gether 4 divided by 8 of could get the overage speed.

- 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.

This problem gives you the chance to:

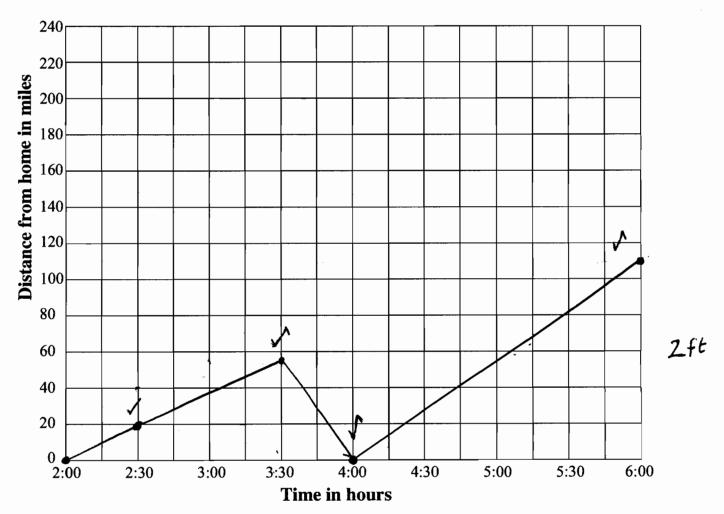
· draw and interpret a graph of speed, distance and time

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	<i>5</i> 5	0	110
			×	X	. ^



30 mph 0

Explain how you figured it out.

I added all the numbers in the chart up then divided

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

□□□ ✓ miles Ift

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

5:05 ∕

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."

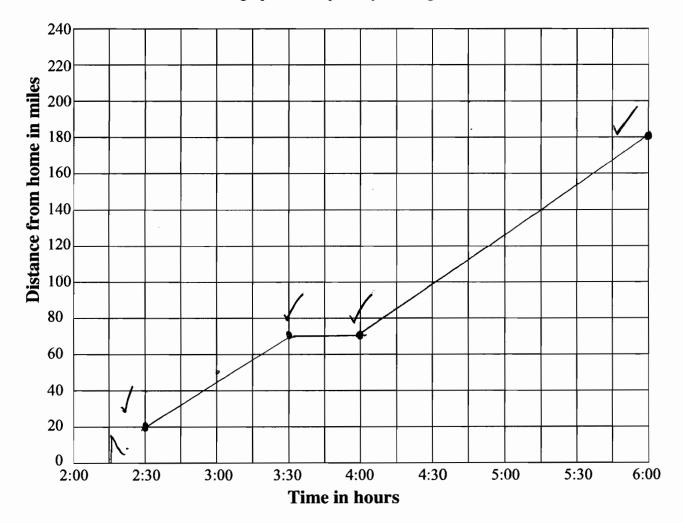


1. Complete this table showing the distances traveled by the end of each stage of my journey

v	_			
ie:	y	<	6	

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

V (50



50mph

Explain how you figured it out.

I knew that 140 f ner time she was asing 40+50 mph, and 12 of it she was going 50 mph, so then I got 40,50,55,55, and fourtheart

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.

Choat 3:30

40,50,55,55

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





T4

This problem gives you the chance to:

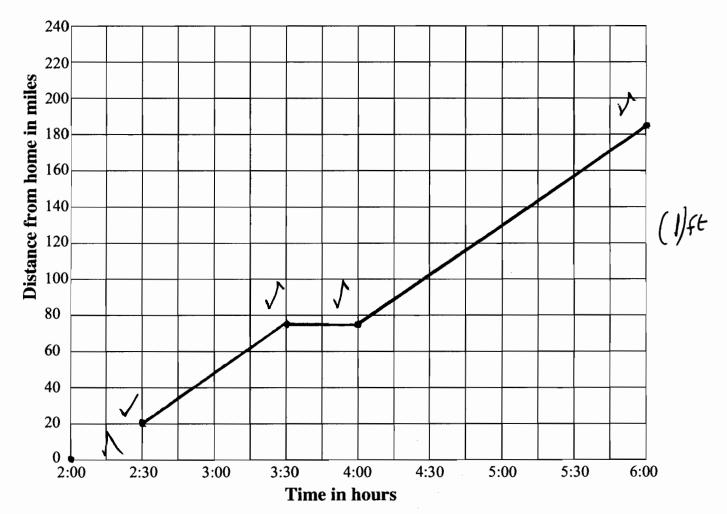
· draw and interpret a graph of speed, distance and time

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	A(A)
Distance from home in miles	0	30	75	75	185	
			X			



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 49.5, × 0

- 4. 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





T5

This problem gives you the chance to:

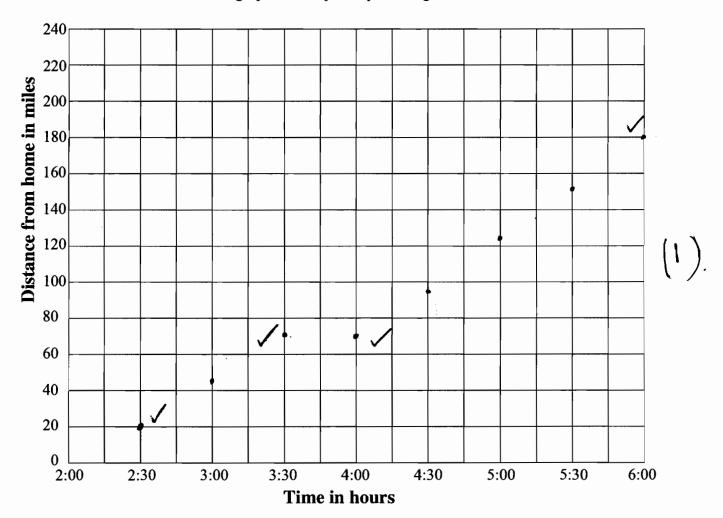
· draw and interpret a graph of speed, distance and time

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 s	need for the	whole	iournev'
--------------------------	--------------	-------	----------

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 14





2

This problem gives you the chance to:

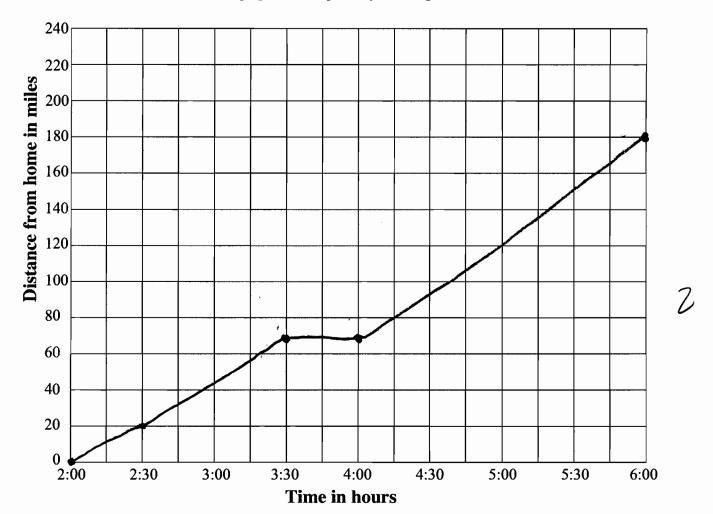
· draw and interpret a graph of speed, distance and time

Here is a description of a car journey.

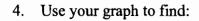
"I left home at 2:00 hours. I traveled for half an hour at forty miles an hour, then for an hour at fifty miles an hour. I had a half hour stop for lunch, then I travelled for two hours at fifty-five miles an hour."

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)U	JD	70	190



3. What	is the averag	ge speed fo	or the who	ole journey	?			45m	ch i
Explain h	ow you figur	red it out.						j	
You	949	180	by 4	o You	gel	45 mp	She	traveled	9 hours
and	went	180	miles	From	home	L So	45	mps.	



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 X



This problem gives you the chance to:

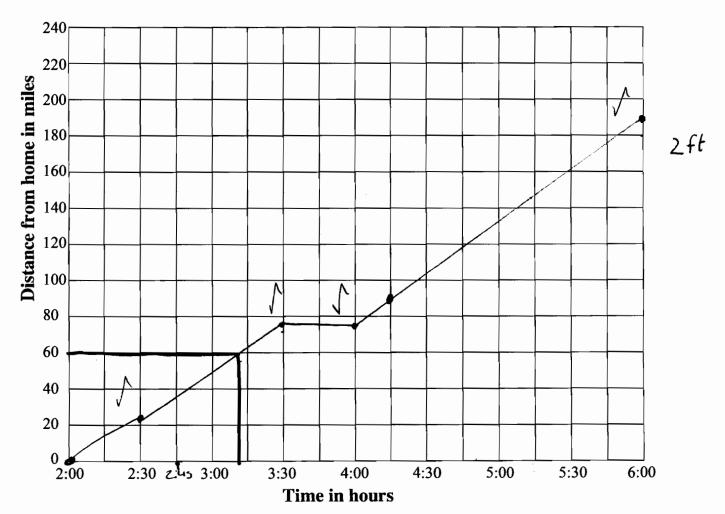
· draw and interpret a graph of speed, distance and time

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
		Х	, y		1



3.	What is the average speed for the whole journey?	46.875	5
Ex	plain how you figured it out.		
	I added all the mon's	op then	
	devied it by 4 for how many &		
	•		
4.	Use your graph to find:		
	a. How far from home I had traveled by 5:15.	90 *	C
	-	r	niles

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

(3)



3:10 /

S3

This problem gives you the chance to:

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

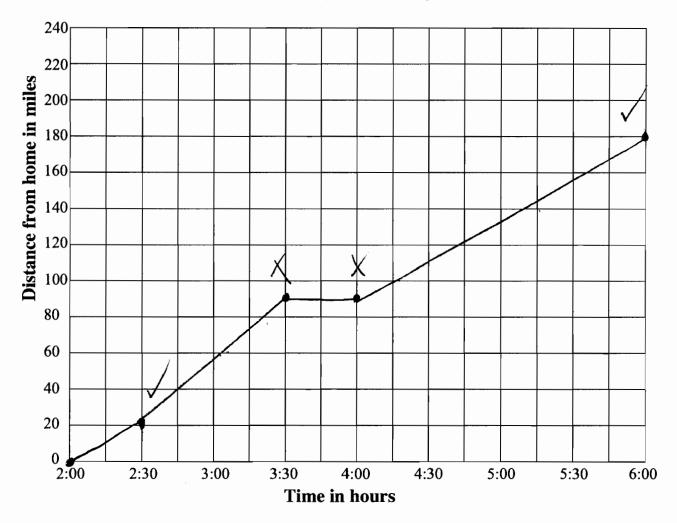
Here is a description of a car journey.

"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	7	X	180
			•		

2. Draw a distance-time graph for this journey on the grid below.



V

3	What is the average speed for the whole	:
.).	what is the average speed for the whole	iournev
•	THE IS MIC AT CLUZO SPECIA TOT MIC TITLETO	1001110,



Explain how you figured it out.

- 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.

/ft miles /ft

S4

0

This problem gives you the chance to:

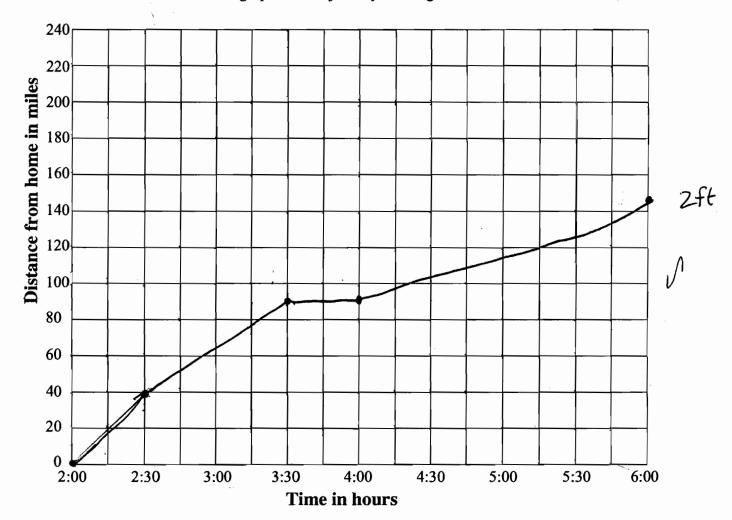
· draw and interpret a graph of speed, distance and time

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	90	90	145
	/	<u> </u>	×		×



0

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

ϖ	X

Explain how you figured it out.

I just counted the distance between the miles away from home

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

α	٦٨	¥	O
4	.70	~	miles

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

120	X
1.20	
_	





This problem gives you the chance to:

draw and interpret a graph of speed, distance and time

S5

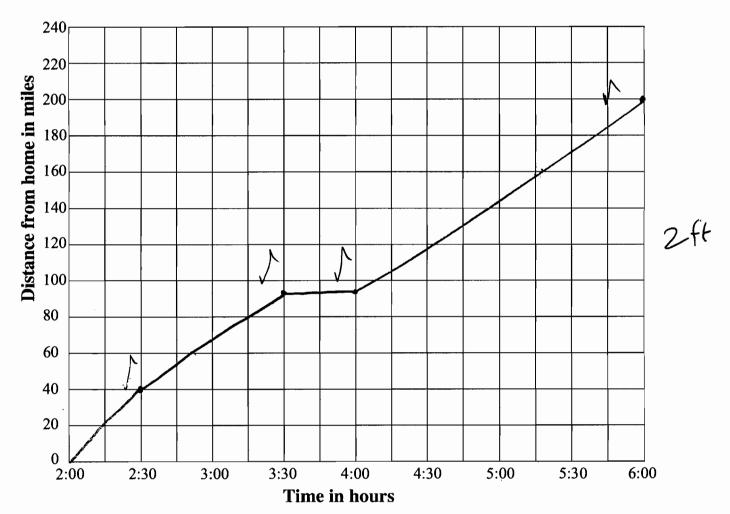
Here is a description of a car journey.

"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	90	9	200
		X	\mathcal{M}	\wedge	_/

(1)ft



about 48

Explain how you figured it out.

I added 40+50+55, and got 145. I then divided 145 by 3 and × got C 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.

around 2:50

S6

This problem gives you the chance to:

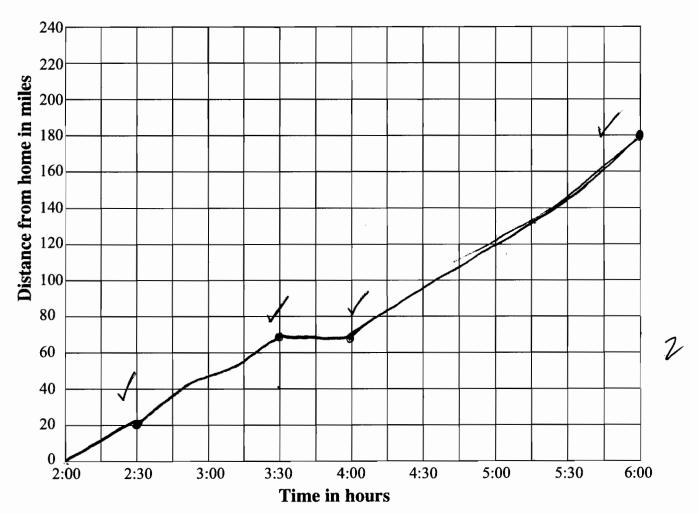
· draw and interpret a graph of speed, distance and time

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	3 0	0	10	180



Jac.	180	
niles:		
+ime	4 hrs	1

45mi/hr.

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

Explain how you figured it out.

1_	used	a rati
----	------	--------

of

X= 45

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

apox 130 miles

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

aprox 3:20

4 1180



S7

This problem gives you the chance to:

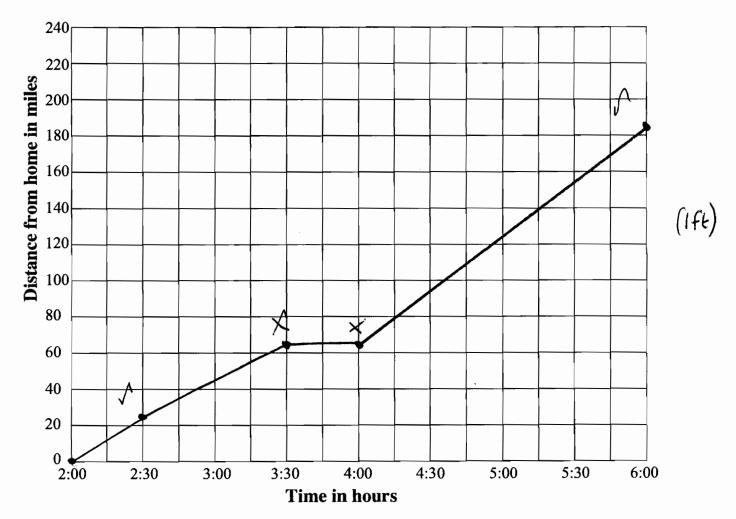
· draw and interpret a graph of speed, distance and time

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	(1+t)
		Х	\sqrt	\wedge	·/	,



45.625

Explain how you figured it out.

I added 22.5 (holf of 45), 50,0, and 110.0 (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.

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

3:17:50





This problem gives you the chance to:

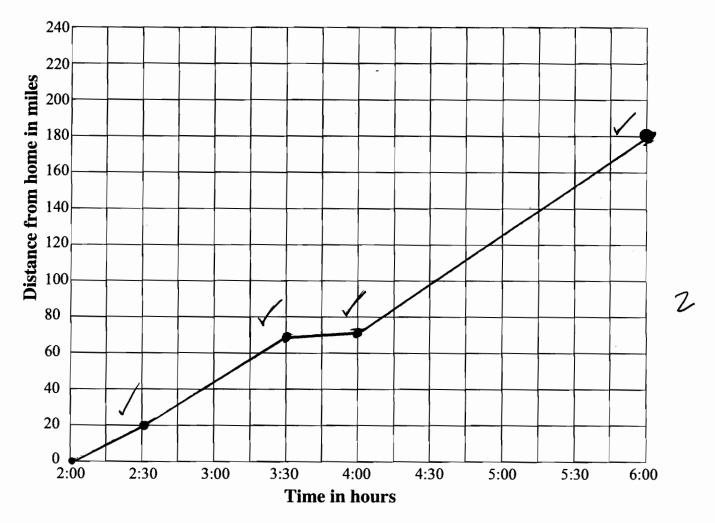
· draw and interpret a graph of speed, distance and time

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.

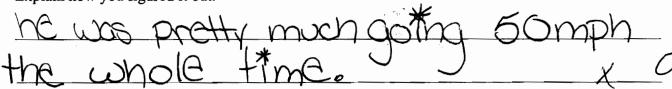
Time in hours	2:00	2:30	3:30	4:00	6:00
Distance from home in miles	0	20	70	70	180



2	What is the average spee	d for the	whole	ianemar/
э.	what is the average spec	ca for the	WHOLE	lom near



Explain how you figured it out.



- 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





S9

This problem gives you the chance to:

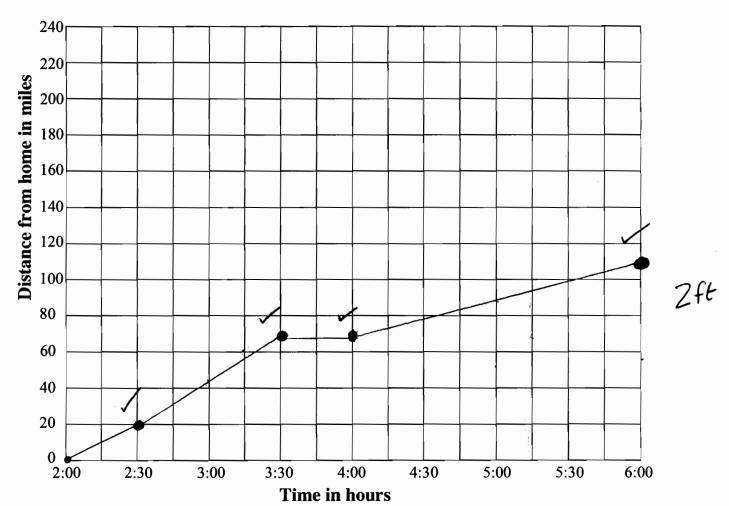
· draw and interpret a graph of speed, distance and time

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	9	70	70	110
					×



2	What is the	a nuarana	cneed fo	r tha	whole	iournev	9
J.	vv nat 15 til	e average	Speca 10	n unc	WIIOIC	journey	٠

Explain how you figured it out.

- 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.





This problem gives you the chance to:

draw and interpret a graph of speed, distance and time

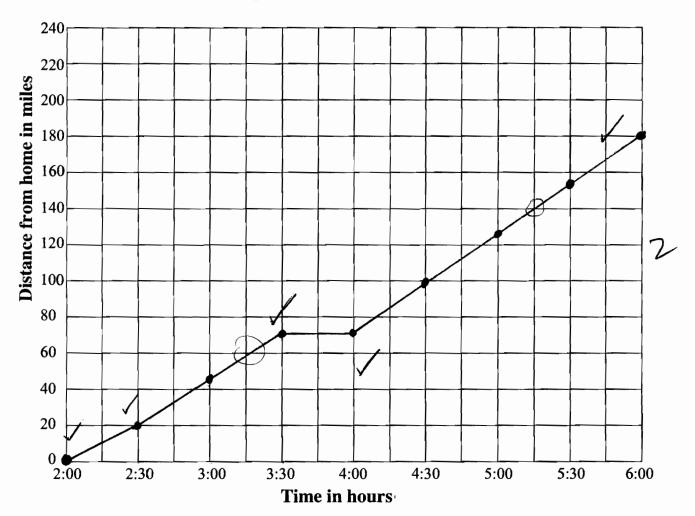
S10

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	180
		<u> </u>			11
	20		50 6)))	0



36.25 mph

Explain how you figured it out.

1 added 40+50+0+55=145-4=36.25 X 0

- 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.

3:15



