T1

This problem gives you the chance to:

· interpret and use a travel graph

The diagram below is a distance-time graph.

1. The sloping line shows the journey of a bus from City A to City B.

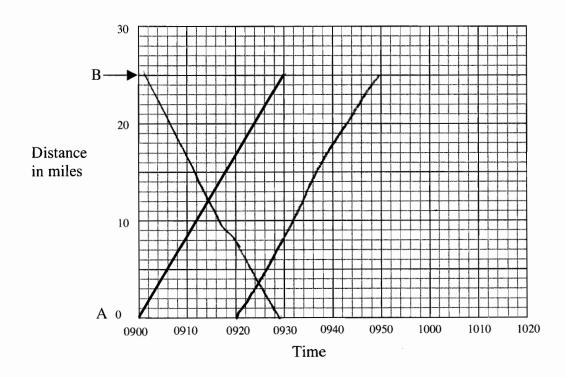
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

a. How far is it from City A to City B?

25 miles

b. How long does the bus journey take?

30 minutes



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

0915

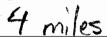
- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.

b. How many buses traveling	ng in the opposite	direction will this	bus meet before it	t reaches City B
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Explain how you figured it out.

-	-	_	riminates	On	line	B	there	would
	1		50					

c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?



This problem gives you the chance to:

· interpret and use a travel graph

The diagram below is a distance-time graph.

1. The sloping line shows the journey of a bus from City A to City B.

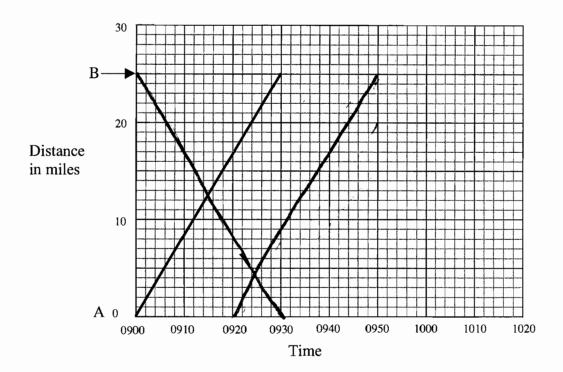
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

a. How far is it from City A to City B?

25 miles

b. How long does the bus journey take?

minutes



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.

b. How many buses traveling in the opposite direction will this bus meet before	it reaches City B?
,	hme
	1 <i>1/147-1</i> 2

	<u> </u>
Explain how you figured it out.	1.
the a Lacrusa Cornela too mainertal	that reseas
Tyree, because to turn fen minutes	Ma Jass
is in all mostles - loc and it tak	as lain 2 in of
he meets arioner was and i an	6> WILL SOW MACE
three because for each ten minutes he meets another bus, and it tak or 3x10 to cret to city B	
c. How far is the bus from City A when it meets the first bus travelling in the	ne opposite direction?
	1 / 4 /

This problem gives you the chance to:

· interpret and use a travel graph

The diagram below is a distance-time graph.

1. The sloping line shows the journey of a bus from City A to City B.

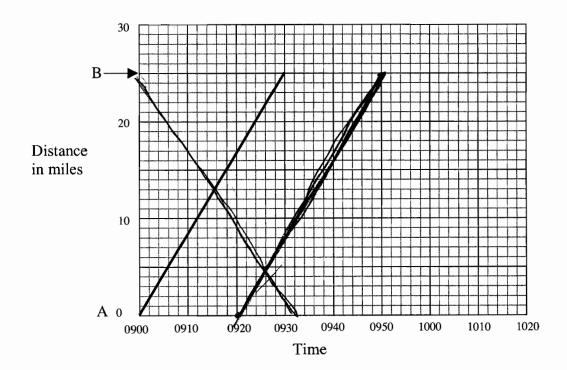
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

a. How far is it from City A to City B?

25 miles

b. How long does the bus journey take?

minutes



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.

b. How many buses traveling in the opposite direction will this bus meet before it reaches City B

Explain how you figured it out.

beause its a 30min druve 2

a bas Leaves every 20 mini

c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?

12.5miles

This problem gives you the chance to:

· interpret and use a travel graph

The diagram below is a distance-time graph.

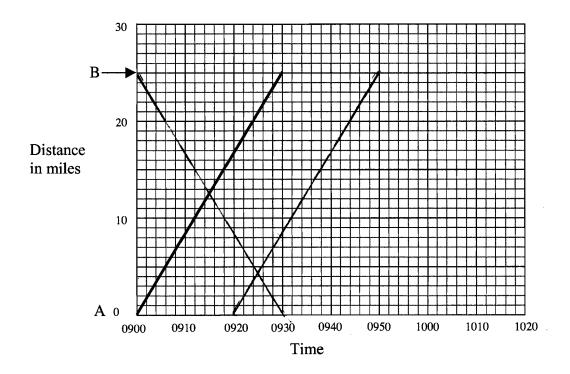
1. The sloping line shows the journey of a bus from City A to City B.

a. How far is it from City A to City B?

25 miles

b. How long does the bus journey take?

30 minutes



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.
- b. How many buses traveling in the opposite direction will this bus meet before it reaches City B?

Explain how you figured it out.

30 total minutes = 5 minute intervals when

meeting each bus = 6 buses

c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?

9 miles

T5

This problem gives you the chance to:

• interpret and use a travel graph

The diagram below is a distance-time graph.

1. The sloping line shows the journey of a bus from City A to City B.

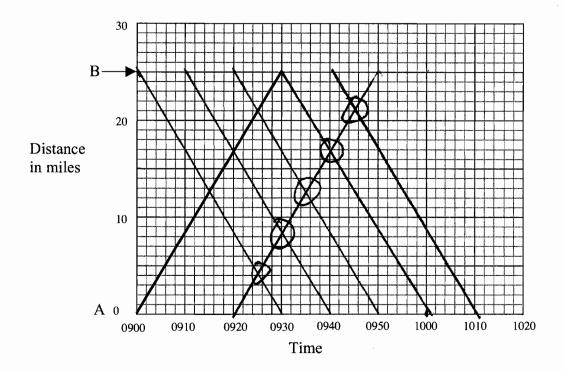
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

a. How far is it from City A to City B?

25 miles

b. How long does the bus journey take?

36 minutes



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.

1	TT 1	. 1' '.1	• • • • • • • • • • • • • • • • • • • •	'11 .1 ' 1	1 0 1 1	O' DO
h	How many hugge	travaling in the	annacita direction	will this his most	hatara it ranchas	fister 12'
U	. How many buses	uavenne in me	onnosue anecuon	will this bus incet	. Delore il reaches	LILV D:
			- PP			

Explain how you figured it out.

Buses leave City a p bevery

ten Hilmink the graphs show where
they meet

c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?

12+13 mila

S1

This problem gives you the chance to:

· interpret and use a travel graph

The diagram below is a distance-time graph.

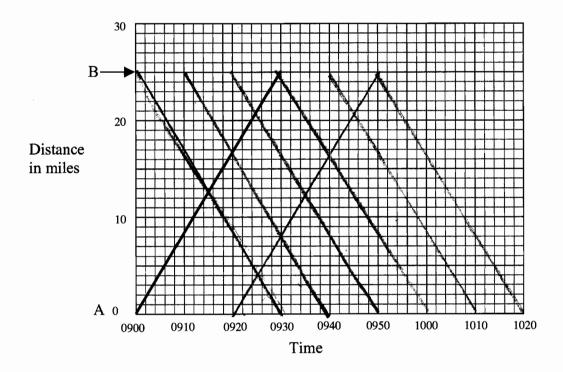
1. The sloping line shows the journey of a bus from City A to City B.

a. How far is it from City A to City B?

b. How long does the bus journey take?



minutes



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.

b. How many buses traveling in the opposite direction will this bus meet before it reaches City B?

Explain how you figured it out.

I drew lines from 3 to A

and counted them, not including

Where it stops.

c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?

S2

This problem gives you the chance to:

· interpret and use a travel graph

The diagram below is a distance-time graph.

1. The sloping line shows the journey of a bus from City A to City B.

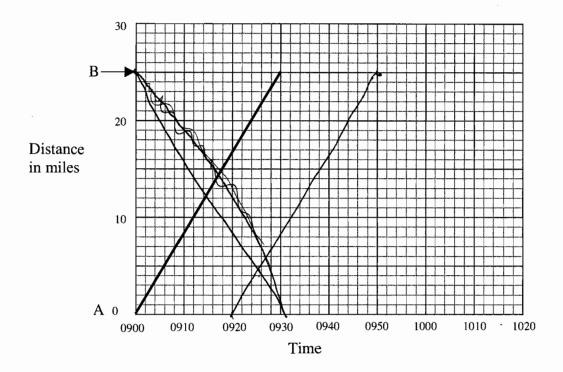
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

a. How far is it from City A to City B?

miles

b. How long does the bus journey take?

<u>minutes</u>



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.
- b. How many buses traveling in the opposite direction will this bus meet before it reaches City B?

There i'll be two one that left at 9:00 for city A.

c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?

5 miles.

S3

This problem gives you the chance to:

• interpret and use a travel graph

The diagram below is a distance-time graph.

1. The sloping line shows the journey of a bus from City A to City B.

The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

a. How far is it from City A to City B?

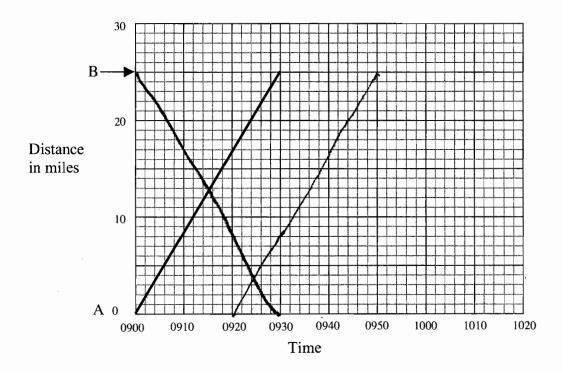
25

b. How long does the bus journey take?

30

minutes

miles



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.

Page 2

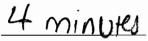
b. At what time do the two buses pass each other?

14 minutes.

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.
- b. How many buses traveling in the opposite direction will this bus meet before it reaches City B?

Explain how you figure	ed it out.			_one	
because		15 00 -	the c	apn	4WH
<u> </u>	crosses			1, 1	

c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?



S4

This problem gives you the chance to:

· interpret and use a travel graph

The diagram below is a distance-time graph.

1. The sloping line shows the journey of a bus from City A to City B.

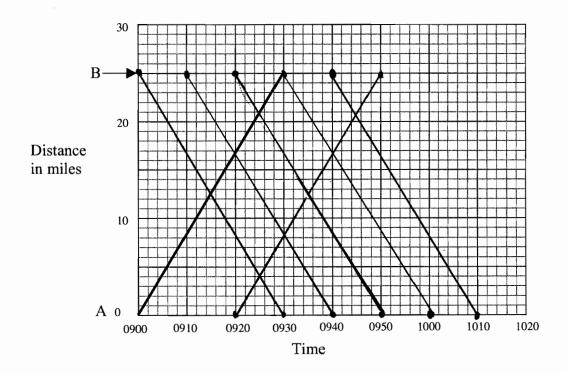
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

a. How far is it from City A to City B?

25 miles

b. How long does the bus journey take?

30 minutes



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

about 915

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.

b. How many buses traveling in the opposite dire	ection will this bus meet be	efore it reaches City B?
		5
Explain how you figured it out.		
	ii .	2

I got 5.

c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?

22 miles

S5

This problem gives you the chance to:

· interpret and use a travel graph

The diagram below is a distance-time graph.

1. The sloping line shows the journey of a bus from City A to City B.

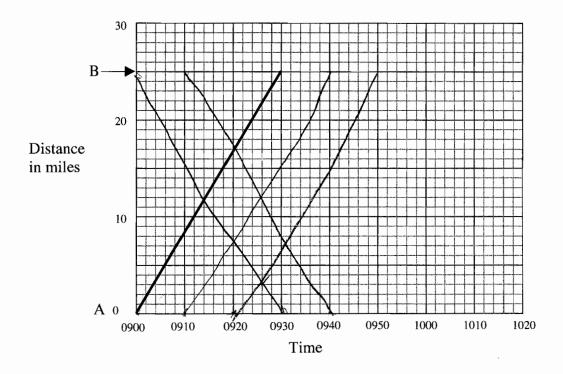
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

a. How far is it from City A to City B?

35 miles

b. How long does the bus journey take?

30 minutes

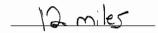


- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

9:15 am (0915)

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.

b. How many buses traveling in the opposite direction will this bus meet be	fore it reaches City B?
Explain how you figured it out.	<u> </u>
the diagram! If you borp odding lines, it shows	you tow many
buses.	
c. How for is the bus from City A when it meets the first bus travelling in the	o annogita direction?



S6

This problem gives you the chance to:

· interpret and use a travel graph

The diagram below is a distance-time graph.

1. The sloping line shows the journey of a bus from City A to City B.

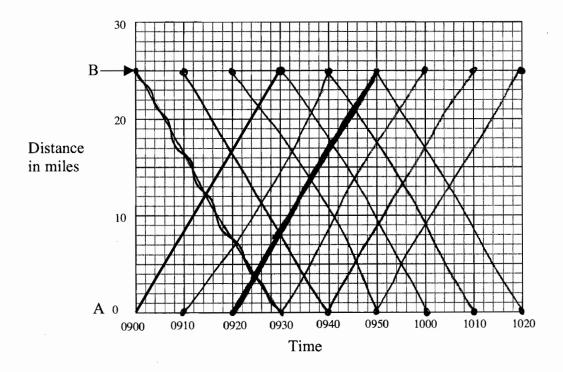
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

a. How far is it from City A to City B?

25 miles

b. How long does the bus journey take?

<u>minutes</u>



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.
- b. How many buses traveling in the opposite direction will this bus meet before it reaches City B?

Explain how you figured it out.

I drew all the other buses and counted
how many crossed paths with the bus
in auestion

c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?

4miles

S7

This problem gives you the chance to:

· interpret and use a travel graph

The diagram below is a distance-time graph.

1. The sloping line shows the journey of a bus from City A to City B.

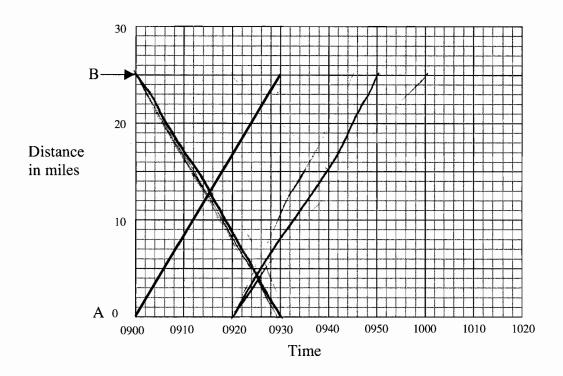
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

a. How far is it from City A to City B?

25 miles

b. How long does the bus journey take?

30 minutes



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.

b. How many buses traveling in the opposite direction will this bus meet before it reach
--

Explain how you figured it out.

The buses leave every 10 min.

c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?

15 miles

This problem gives you the chance to:

· interpret and use a travel graph

The diagram below is a distance-time graph.

1. The sloping line shows the journey of a bus from City A to City B.

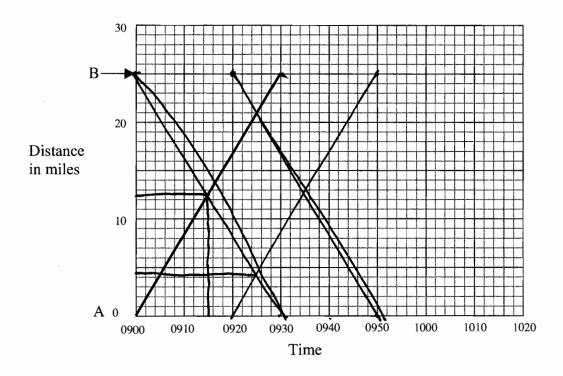
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

a. How far is it from City A to City B?

25 miles

b. How long does the bus journey take?

minutes



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.
- b. How many buses traveling in the opposite direction will this bus meet before it reaches City B?

Explain how you figured it out.

The graph shows two buses

passing it before it gets there

c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?

al miles

S9

This problem gives you the chance to:

· interpret and use a travel graph

The diagram below is a distance-time graph.

1. The sloping line shows the journey of a bus from City A to City B.

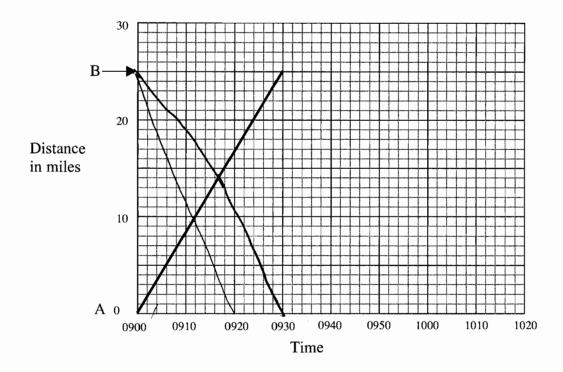
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

a. How far is it from City A to City B?

25 ____miles

b. How long does the bus journey take?

30 minutes



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

9:16 (0916)

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.

b. How many	v huses t	raveling	in the	opposite	direction	will this	hus meet	before:	it reaches	City	B 2
o. How man	y buses i	avening	m mc	opposite	uncenon	WIII UIIS	ous meet	UCIOIC .	it i caciics	City	D.

Explain how you figured it out.

because there will be one from B to A at 910, 920, 930 and A to B at 910 and 930

c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?

15 miles

This problem gives you the chance to:

• interpret and use a travel graph

The diagram below is a distance-time graph.

1. The sloping line shows the journey of a bus from City A to City B.

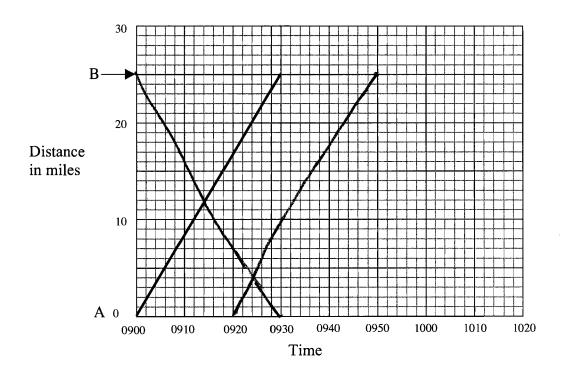
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

a. How far is it from City A to City B?

25 miles

b. How long does the bus journey take?

30 minutes



- 2. Another bus leaves City B at 0900 and arrives at City A at 0930.
 - a. Draw a line on the diagram to show the journey of this second bus.
 - b. At what time do the two buses pass each other?

12.5

- 3. Buses leave City A and City B every 10 minutes during the morning, repeating the two journeys shown on your graph.
- a. On your graph, draw a line to show the bus that leaves City A at 0920.

b. How many buses traveling in the opposite direction will this bus meet before it reaches City	I this bus meet before it reaches City B?
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Explain how you figured it out.

b/c theres 50 minutes and each bub leaves

at 10 minute intervels

c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?

4