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.

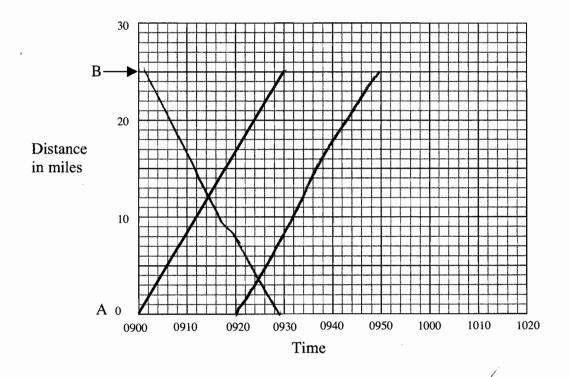
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

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 moshown on your graph.	orning, repeating the two journeys
a. On your graph, draw a line to show the bus that leaves City A	A at 0920.
b. How many buses traveling in the opposite direction will this	bus meet before it reaches City B?
	_ 5 \

Explain how y	ou figure	d it out.					_
Every	10	minutes	00	line	B	there	would
be a	line	50	50:10	0=5.			

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

4 miles

· 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.

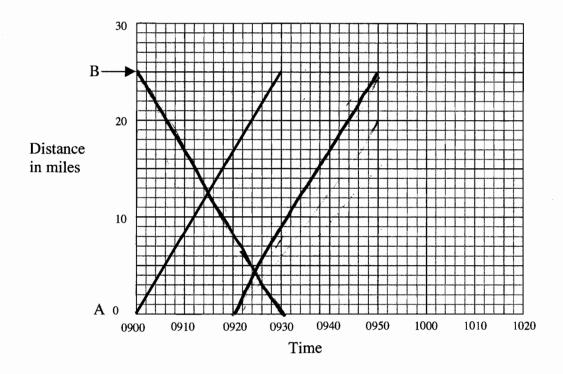
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

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

 $\frac{25}{\text{miles}}$ 

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.

0

- b. At what time do the two buses pass each other?
- 10:15 ×

3. Buses leave City A and City B every 10 minutes during the morning, repeating the shown on your graph.	two journeys	
Shown on your gruph.		
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 re	eaches City B?	
<u>+h</u>	ine x	0
Explain how you figured it out.		
three because for each ten minutes the	1 toasse	50
Explain how you figured it out.  Horee, because for each ten minutes the he meets another bus, and it takes he or 3x10 to cyet to city B	im3om	invel
or 3x10 to cret to CityB	X	
c. How far is the bus from City A when it meets the first bus travelling in the opposi	ite direction?	
abo	ut10mi	les
	X	_
		U

· 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.

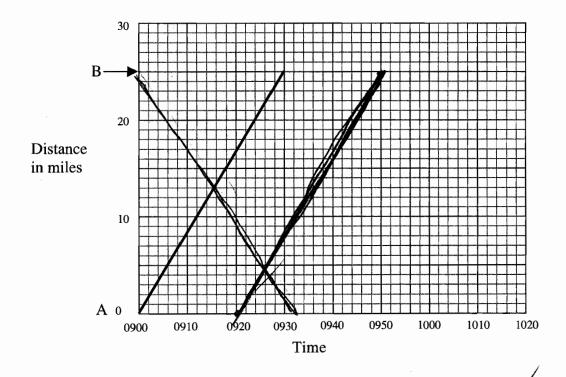
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

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

miles

b. How long does the bus journey take?

/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.	1
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?	,
$\sim$ $\sim$ $\sim$ $\sim$	· O
Explain how you figured it out.	
beause its a 30min drive &	_
à bus Leaves every 20 min. X	0
c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?	
-12.5mi	Le 5

· interpret and use a travel graph

The diagram below is a distance-time graph.

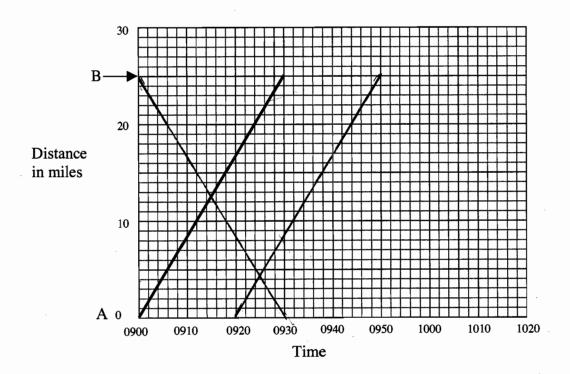
1. The sloping line shows the journey of a bus from City A to City B.

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?

9:15

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?	, .
6 huses	Į
Explain how you figured it out.	
30 total minutes = 5 minute intervals when	
meeting each bus = 6 buses	1
c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?	5

· 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.

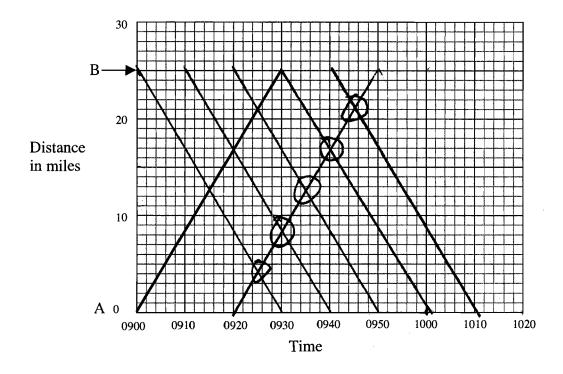
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

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?

9:15

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.	ŕ
b. How many buses traveling in the opposite direction will this bus meet before it reaches City B?	
Explain how you figured it out.	
Buses leave City a + b every	
Buses leave City a p b every  ten minunts 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?  12H3mile	V

· interpret and use a travel graph

The diagram below is a distance-time graph.

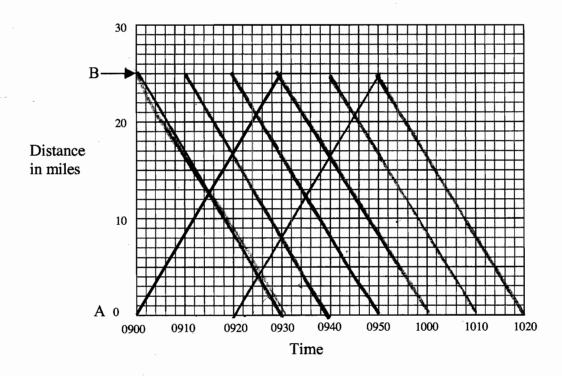
1. The sloping line shows the journey of a bus from City A to City B.

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.

Light drew lines from B 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?

+ miles

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.

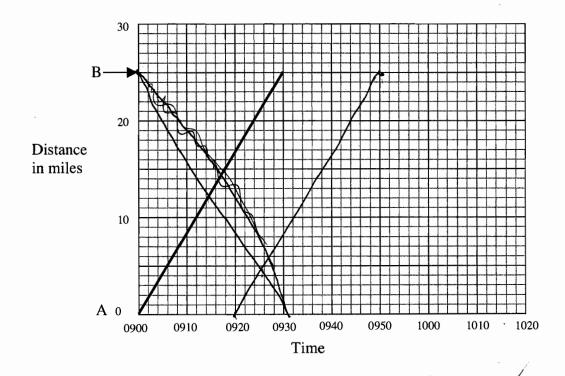
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

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

miles

b. How long does the bus journey take?

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

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.	ク
There vill be two one that left at 9:20 for city A.X	0
c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?  5 m/les x	0

**S**3

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.

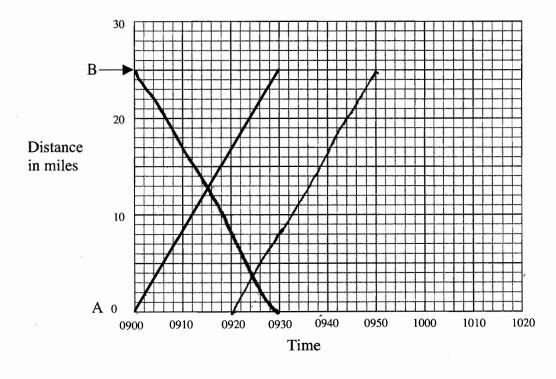
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

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?

14 minutes x

shown on your graph.	ing the two jour	neys
a. On your graph, draw a line to show the bus that leaves City A at 0920.		7
b. How many buses traveling in the opposite direction will this bus meet bef	ore it reaches Ci	ity B?
Explain how you figured it out.	one.	<u>( 0</u>
the line crosses over I line.	rapn e	wat o
c. How far is the bus from City A when it meets the first bus travelling in the		,

• interpret and use a travel graph

The diagram below is a distance-time graph.

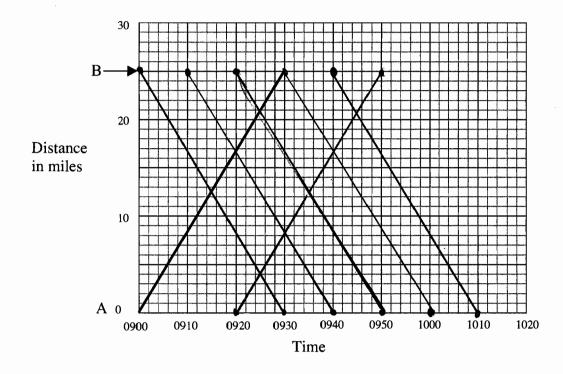
1. The sloping line shows the journey of a bus from City A to City B.

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?

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.	į
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 got 5.	
c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?	
22 m ( le S	0

**S**5

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.

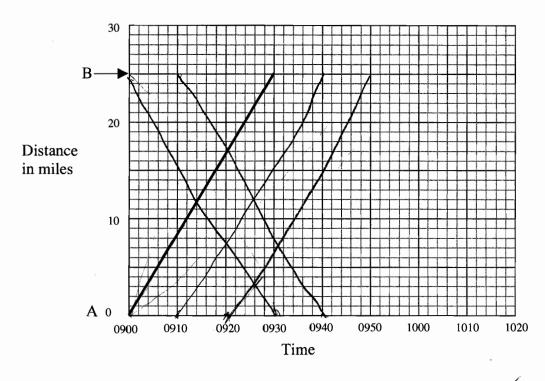
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

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

J5 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, repeat shown on your graph.	ing the two journeys	1
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 bef	ore it reaches City B?	
	$2$ $\times$	O
Explain how you figured it out.		
the diagram! It you have adding lines it shows	you tow many	
buses. 1	* .	0
c. How far is the bus from City A when it meets the first bus travelling in the	e opposite direction?	
	12 miles	$\mathcal{D}$

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.

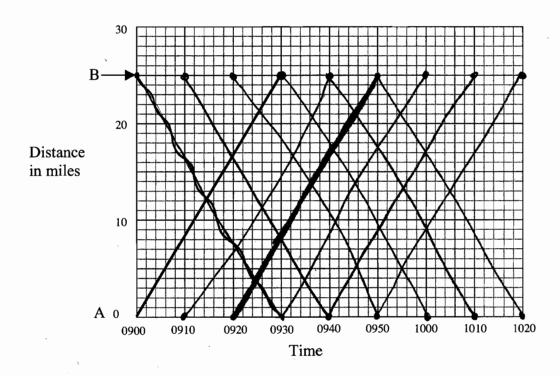
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

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

/ miles

b. How long does the bus journey take?

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?

Page 2

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

**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.

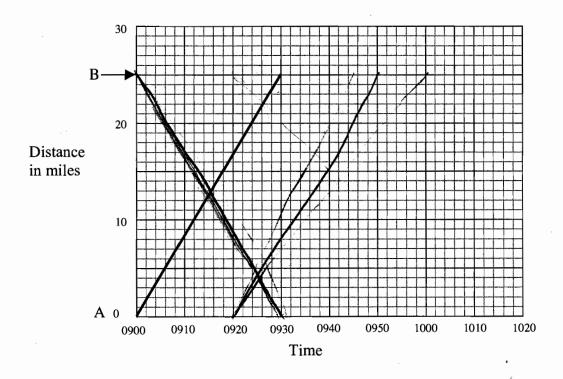
The bus leaves City A at 9am (0900) and arrives at City B at 9:30am (0930)

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?

9:12 +

<ol> <li>Buses leave City A and City B every 10 minutes during the morning, reposhown on your graph.</li> </ol>	eating the two journeys
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 b	pefore it reaches City B?
Explain how you figured it out.	<u>2 × 0</u>
The buses leave every	10 min.
	<u> </u>
c. How far is the bus from City A when it meets the first bus travelling in	the opposite direction?
	X

· 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



Distance in miles

10

A 0

0930

2. Another bus leaves City B at 0900 and arrives at City A at 0930.

0920

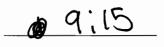


1020

- 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?

0910

0900



1000

1010



0940

Time

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
b. How many buses traveling in the opposite direction will this bus meet before it reaches City B?	0
Explain how you figured it out.	
the graph shows two buses	
The graph shows two buses passing it before it gets there	0
c. How far is the bus from City A when it meets the first bus travelling in the opposite direction?	
al mile	<i>'</i>

**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)

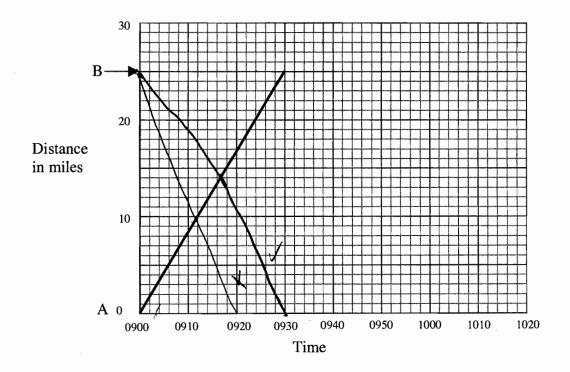
a. How far is it from City A to City B?

25 miles

30 minutes

/

b. How long does the bus journey take?



- 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 journe shown on your graph.	ys	
a. On your graph, draw a line to show the bus that leaves City A at 0920.	0	
b. How many buses traveling in the opposite direction will this bus meet before it reaches City	B?	
5 /	1	
Explain how you figured it out.		
because there will be one from 13 to A at		
910,920,930 and A to B at 910 and 930	<u>,                                    </u>	
c. How far is the bus from City A when it meets the first bus travelling in the opposite directio	n?	
15 0100	X ·	-

**S10** 

miles

This problem gives you the chance to:

· interpret and use a travel graph

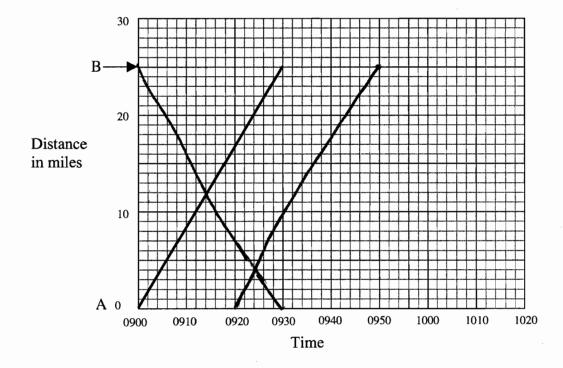
The diagram below is a distance-time graph.

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

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? 12.5

<ol><li>Buses leave City A and City B shown on your graph.</li></ol>	every 10 minutes during	the morni	ng, repeati	ng the two	ojourneys
a. On your graph, draw a line to	show the bus that leaves	City A at	0920.		
b. How many buses traveling in	n the opposite direction wi	ll this bus	s meet befo	re it reach	nes City B?
Explain how you figured it or	ut.		_	5	
b/c theres	50 minutes	and	e ach	bus	leaves
at 10 minute					/
c. How far is the bus from City	A when it meets the first	bus travel	lling in the	opposite	direction?