

## Bike Ride

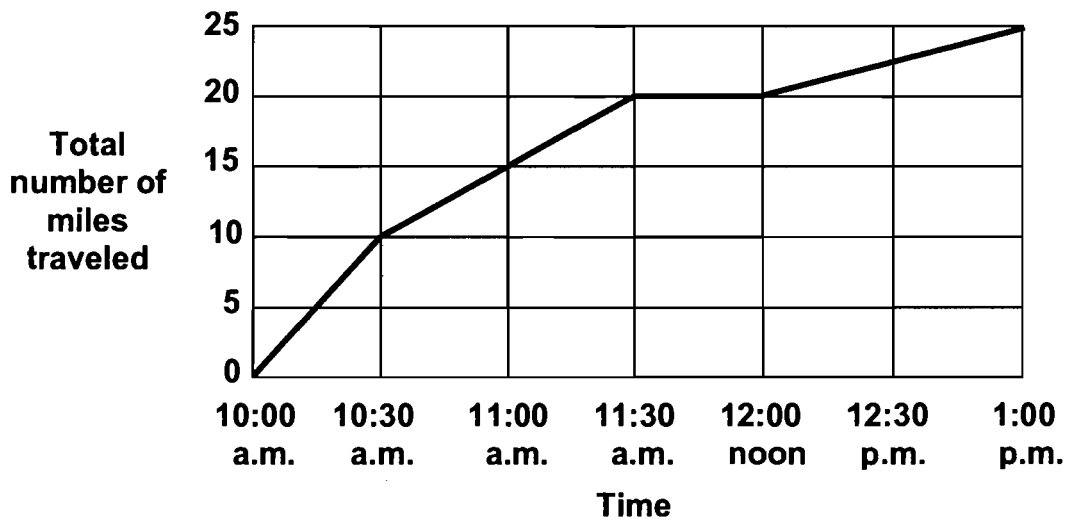
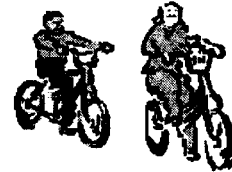
# T1

This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.

They made this graph of their bike ride.



1. How many miles did they travel in all? 25 miles
2. How long did their bike ride take? 3 hours
3. When were they cycling the fastest? 10:00 - 10:30

Explain your answer.

The line was closest to vertical in this time  
segment which means that they traveled fastest then.

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

T1

They took a break from riding.

Explain your answer.

The line was horizontal; if it isn't diagonal then it means that they didn't travel.

5. What was their speed between 12 noon and 1 p.m.?

5 miles an hour

# Bike Ride

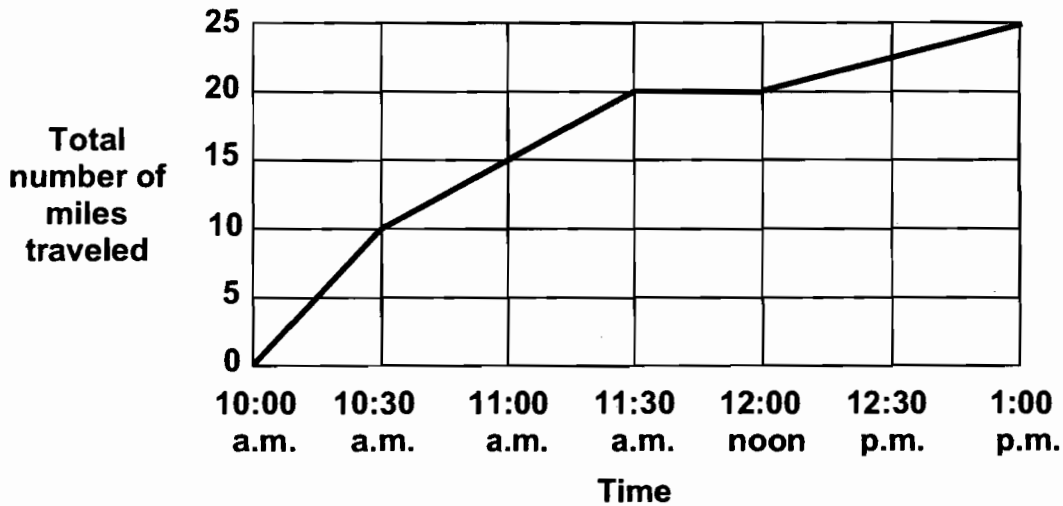
# T2

This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.

They made this graph of their bike ride.



1. How many miles did they travel in all? 25 miles
2. How long did their bike ride take? 3 hours
3. When were they cycling the fastest? from 10:00 - 10:30

Explain your answer.

at 10:00 they went 10 miles and that is the most  
miles gained in 30 min.

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

They took a break or at least they stopped moving

Explain your answer.

because it is at the same pace and they have not gained any miles meaning that they stopped or took a break

5. What was their speed between 12 noon and 1 p.m.?

2.5 miles an hour

## Bike Ride

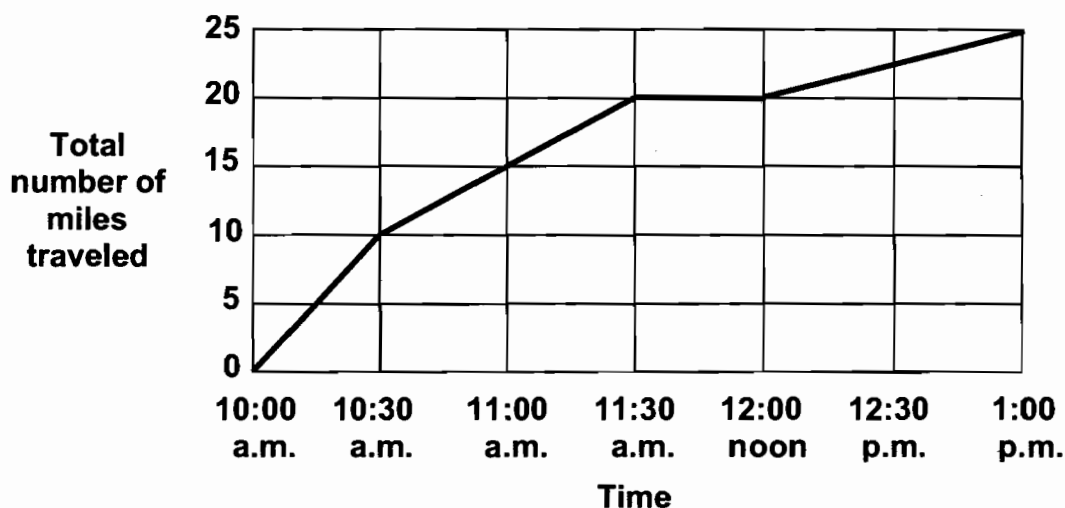
# T3

This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.

They made this graph of their bike ride.



1. How many miles did they travel in all? 25 miles
2. How long did their bike ride take? 3 hours
3. When were they cycling the fastest? From 10:30 to 11:30

Explain your answer.

I got this by looking at the graph, because  
it shows that they had a jump at that time.

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

They stopped

Explain your answer.

They could have taken a lunch break  
and that's why they went so fast between  
10:30 and 11:30.

5. What was their speed between 12 noon and 1 p.m.?

10 miles an hour

## Bike Ride

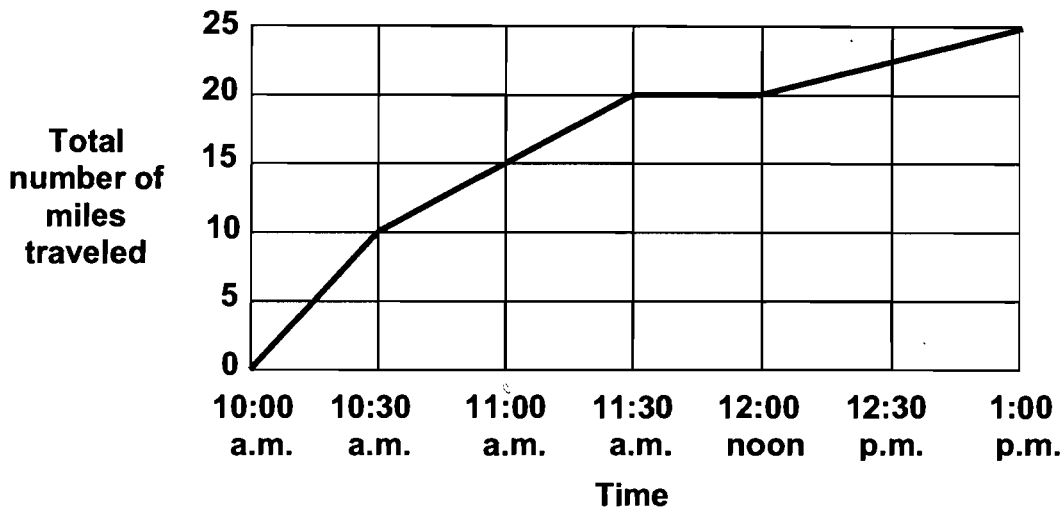
# T4

This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.

They made this graph of their bike ride.



1. How many miles did they travel in all? 25 miles
2. How long did their bike ride take? 3 hours
3. When were they cycling the fastest? from 10:30 to 11:30

Explain your answer.

Because they gained the most miles in the  
period of time

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

They went slow

Explain your answer.

Because they did not gain any miles

5. What was their speed between 12 noon and 1 p.m.?

5 miles an hour



## Bike Ride

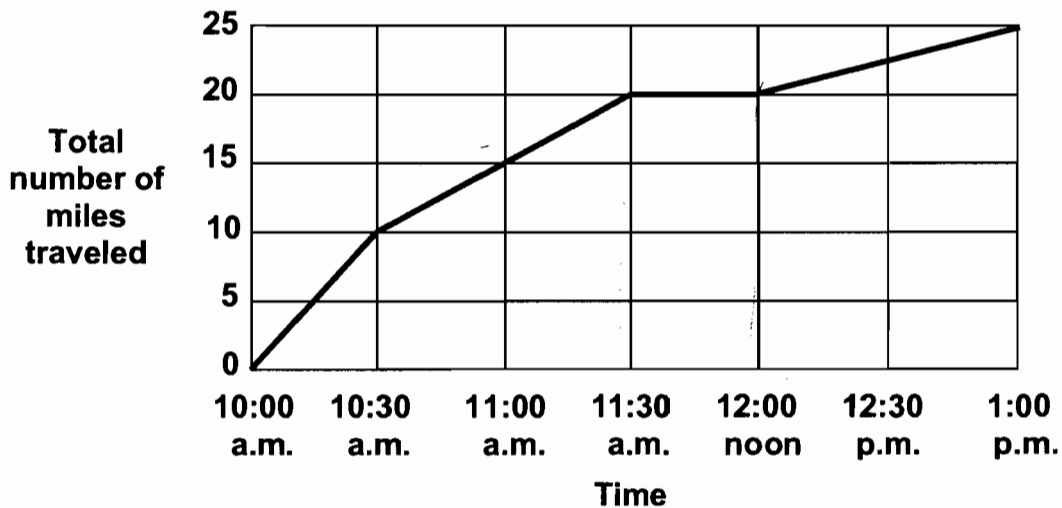
# T5

This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.

They made this graph of their bike ride.



1. How many miles did they travel in all? 25 miles

2. How long did their bike ride take? 4 hours

3. When were they cycling the fastest? from 10:00 to 10:30

Explain your answer.

for Q1 I saw that the y axis was labeled

Total # of miles. for Q3. I could see that

the graph went up fastest from 10 to 10:30.

Q 2 I know that from 10:00 to 1. it is 4 hrs.

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

They did not travel at all

Explain your answer.

I saw that the two points on  
the graph were at an equal location  
on the y axes.

5. What was their speed between 12 noon and 1 p.m.?

5 miles an hour

5 m

## Bike Ride

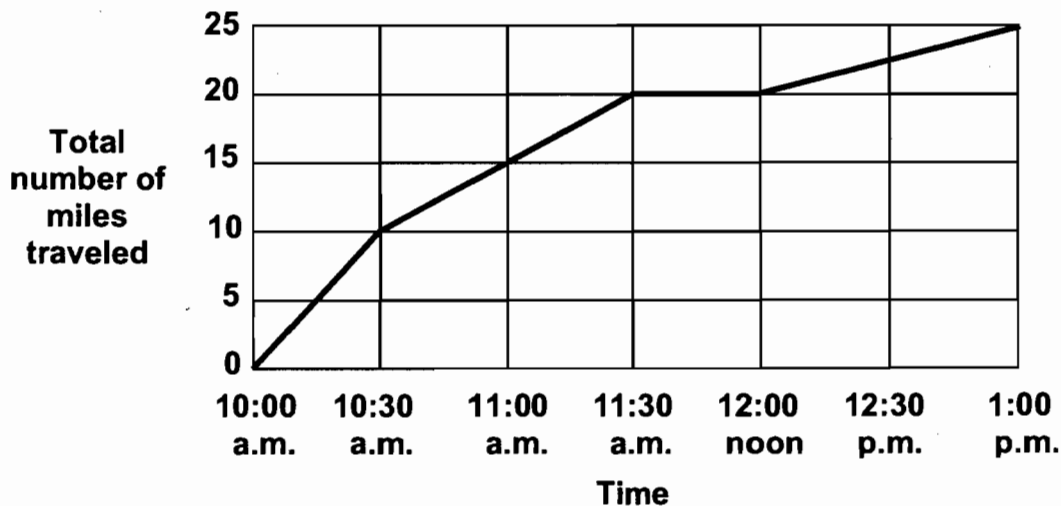
# S1

This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.

They made this graph of their bike ride.



1. How many miles did they travel in all?

25 miles

2. How long did their bike ride take?

3 hours

3. When were they cycling the fastest? between 10am and 10:30am

Explain your answer.

10am and 10:30am a when the  
line goes up the steepest. that means  
they covered more ground.

S1

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

stopped, and probably ate lunch.

Explain your answer.

The line doesn't go up, so they weren't going forward.

5. What was their speed between 12 noon and 1 p.m.?

5 miles an hour

7

## Bike Ride

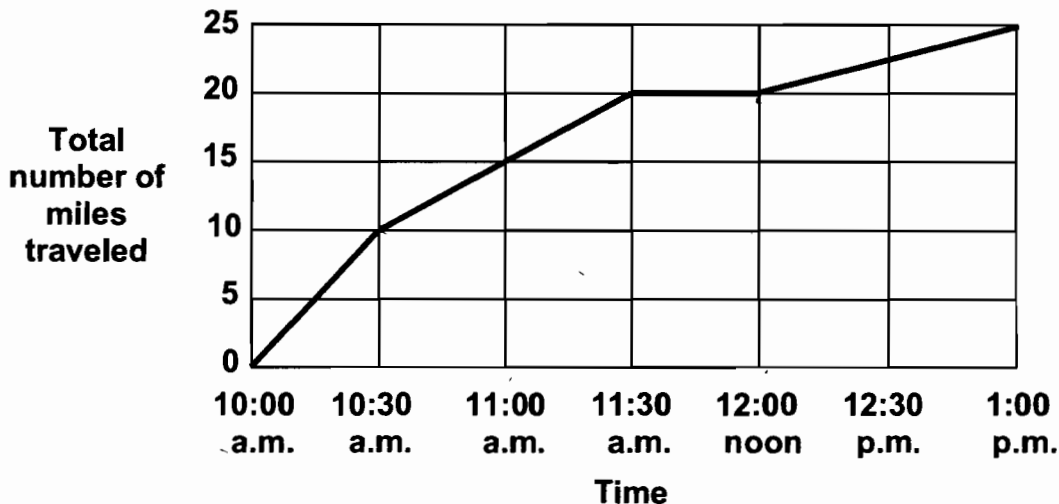
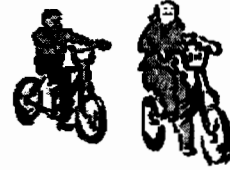
# S2

This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.

They made this graph of their bike ride.



1. How many miles did they travel in all? 25 miles
2. How long did their bike ride take? 3 hours
3. When were they cycling the fastest? from 10:30 - 11:30

Explain your answer.

From 10:30 - 11:30 they traveled 10  
miles, and from 12 - 1, which was only  
an hour, they only traveled 5 miles. All the  
others were under 10 miles and were in half  
hour increments.

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

Rested / Did not move.

Explain your answer.

The line is straight across, which  
means between 11:30 and noon there  
was no change.

5. What was their speed between 12 noon and 1 p.m.?

5 miles an hour

## Bike Ride

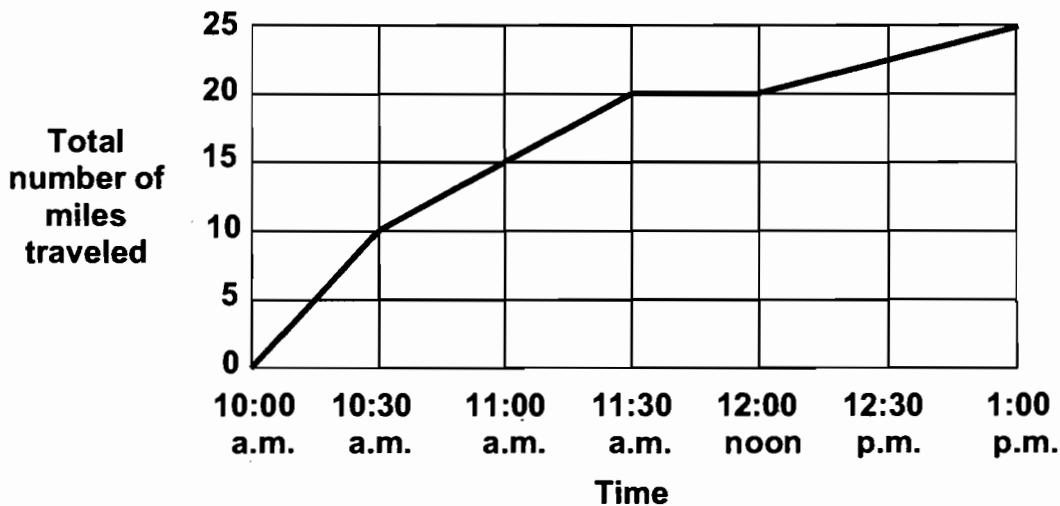
# S3

This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.

They made this graph of their bike ride.



1. How many miles did they travel in all?

25 miles

2. How long did their bike ride take?

3 hours

3. When were they cycling the fastest?

beginning (10-10:30)

Explain your answer.

the line is most verticle in the  
beginning

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

They did not bike.

Explain your answer.

the line is completely horizontal

5. What was their speed between 12 noon and 1 p.m.?

12 miles an hour



# Bike Ride

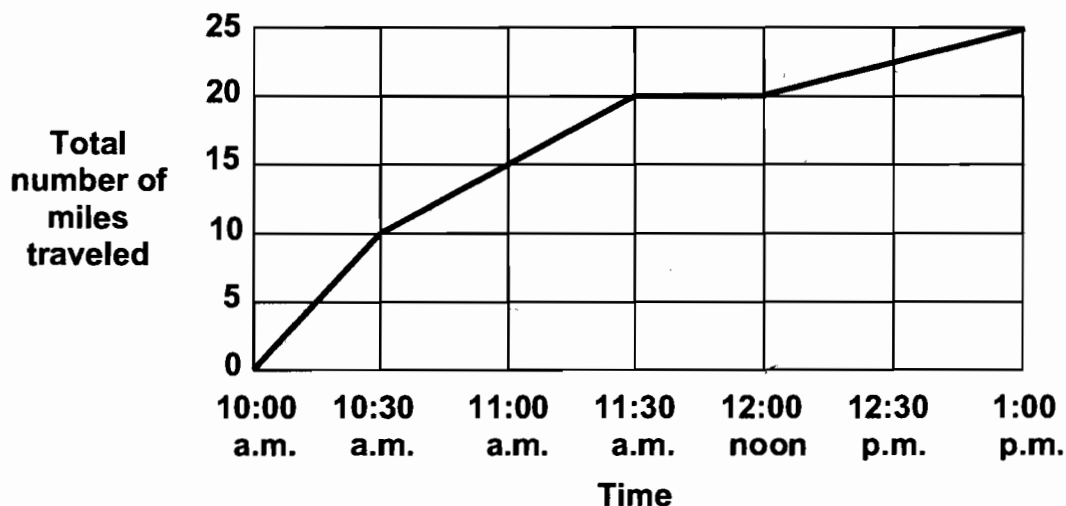
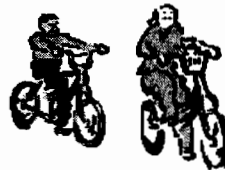
# S4

This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.

They made this graph of their bike ride.



1. How many miles did they travel in all?

25 miles

2. How long did their bike ride take?

3 hours

3. When were they cycling the fastest?

10:00 am - 10:30 am

Explain your answer.

They did 10 miles in 30 min  
if they kept this speed they could  
have done <sup>60</sup> miles but they speed down

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

Nothing.

Explain your answer.

Nothing because the line goes straight.

5. What was their speed between 12 noon and 1 p.m.?

5 miles an hour

## Bike Ride

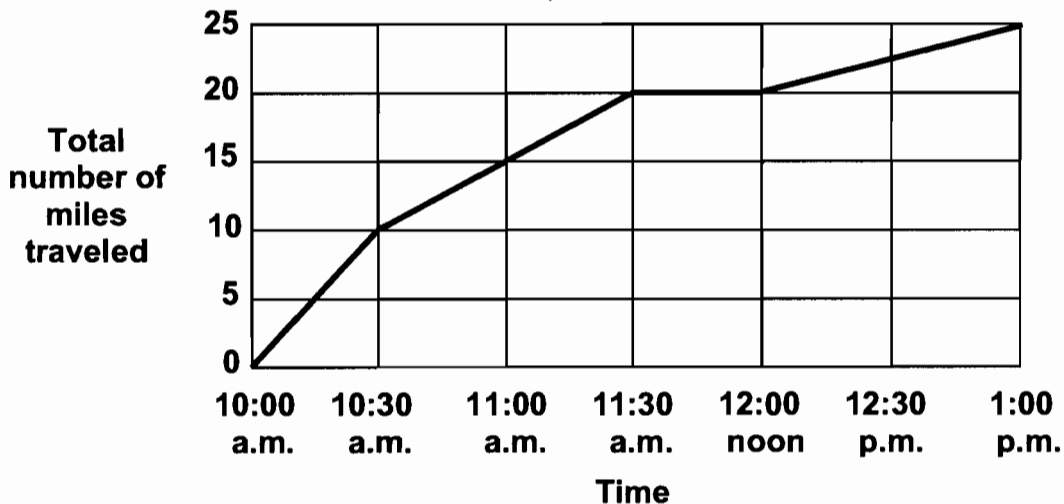
# S5

This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.

They made this graph of their bike ride.



1. How many miles did they travel in all?

25 miles

2. How long did their bike ride take?

3 hours

3. When were they cycling the fastest? from 10:00 to 10:30

Explain your answer.

That is when they rode the fastest  
because they traveled 10 miles in  
that 1/2 hour, all other times it was 5 or  
less miles in a 1/2 hour.

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

They did not ride during this time.

Explain your answer.

They did not travel any further,  
so could not have been riding then.

5. What was their speed between 12 noon and 1 p.m.? 5 miles an hour

## Bike Ride

# S6

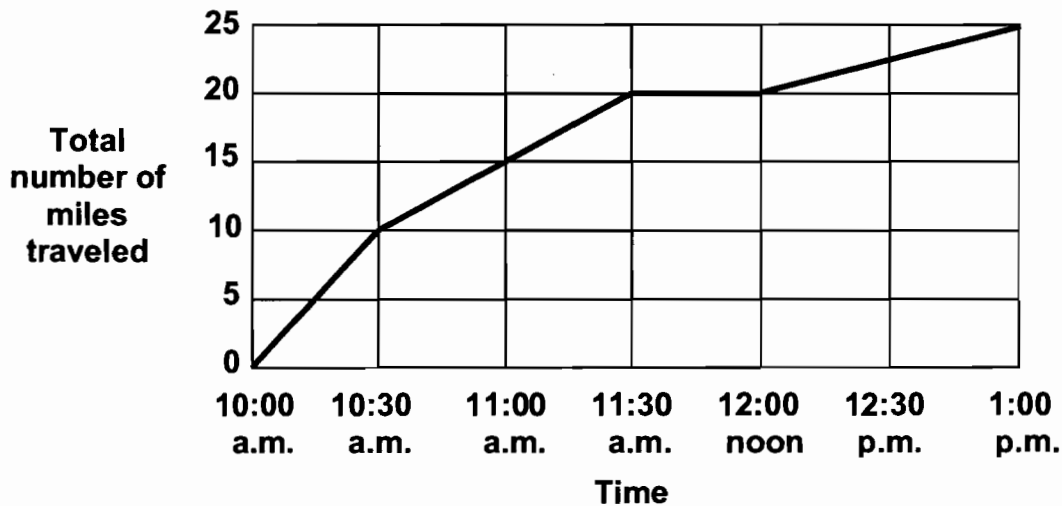
This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.



They made this graph of their bike ride.



1. How many miles did they travel in all?

25 miles

2. How long did their bike ride take?

3 hours

3. When were they cycling the fastest?

In the 1st  $\frac{1}{2}$  hour

Explain your answer.

that is when the slope is steepest

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

Took a break

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Explain your answer.

It is flat, they didn't go anywhere

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5. What was their speed between 12 noon and 1 p.m.?

5

\_\_\_\_\_ miles an hour

# Bike Ride

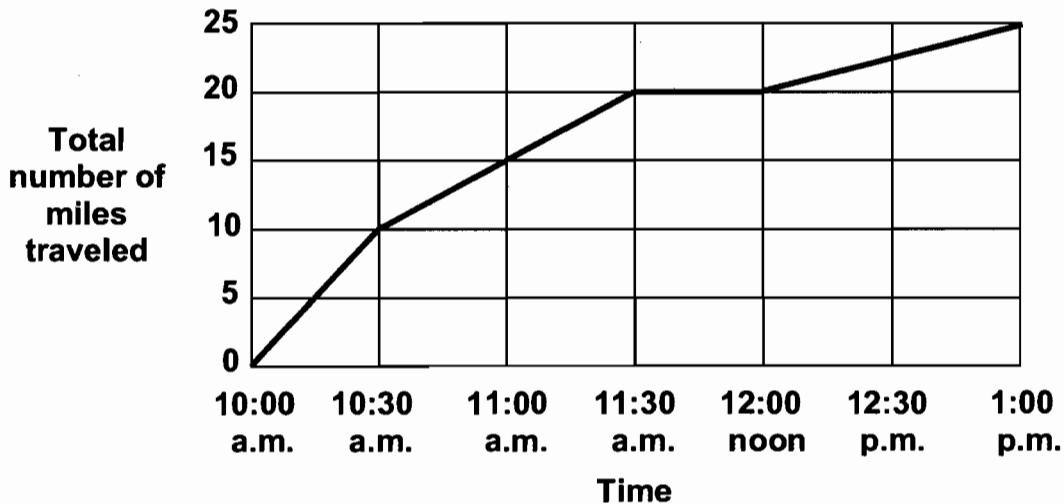
# S7

This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.

They made this graph of their bike ride.



1. How many miles did they travel in all?

25 miles

2. How long did their bike ride take?

4 hours

3. When were they cycling the fastest?

10:00 to 10:30 am.

Explain your answer.

Selina and Jake rode 10 miles in  
only half an hour.

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

they took a rest and stopped.

Explain your answer.

Because the line didn't move  
at that time.

5. What was their speed between 12 noon and 1 p.m.?

12 $\frac{1}{2}$  miles an hour

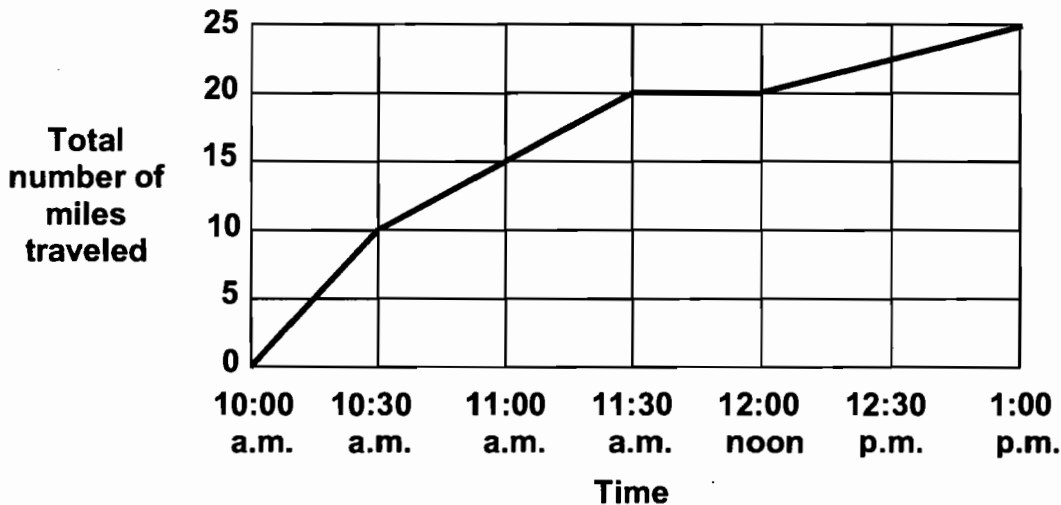


# Bike Ride

# S8

This problem gives you the chance to:  
• interpret a distance/time graph

Selina and Jack went for a bike ride today.  
They made this graph of their bike ride.



1. How many miles did they travel in all?

25 miles

2. How long did their bike ride take?

3 hours

3. When were they cycling the fastest? 10:00 a.m. to 10:30 a.m.

Explain your answer.

They went 10 miles between that time. There was no other time they went that much in 30 minutes

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

They stopped, possibly for lunch.

Explain your answer.

Since the line went straight,  
that meant they didn't make any  
progress.

5. What was their speed between 12 noon and 1 p.m.?

5 miles an hour

## Bike Ride

S9

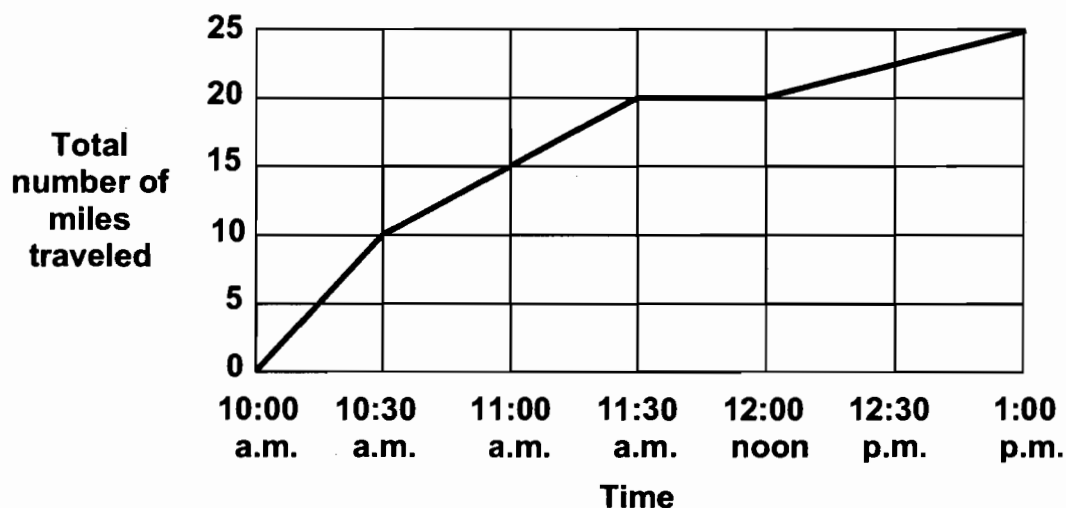
This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.



They made this graph of their bike ride.



1. How many miles did they travel in all? 25 miles
2. How long did their bike ride take? 3 hours
3. When were they cycling the fastest? 10:30 - 11:30

Explain your answer.

because the line is ( / ) <sup>this</sup> mean it increase a lot but the other are like ( — ), ( — ).

4. What does the graph show that they did between 11:30 a.m. and 12 noon? **S9**

the miles didn't increase at all

Explain your answer.

maybe because they took a break or eat lunch

5. What was their speed between 12 noon and 1 p.m.?

5 miles an hour

7

## Bike Ride

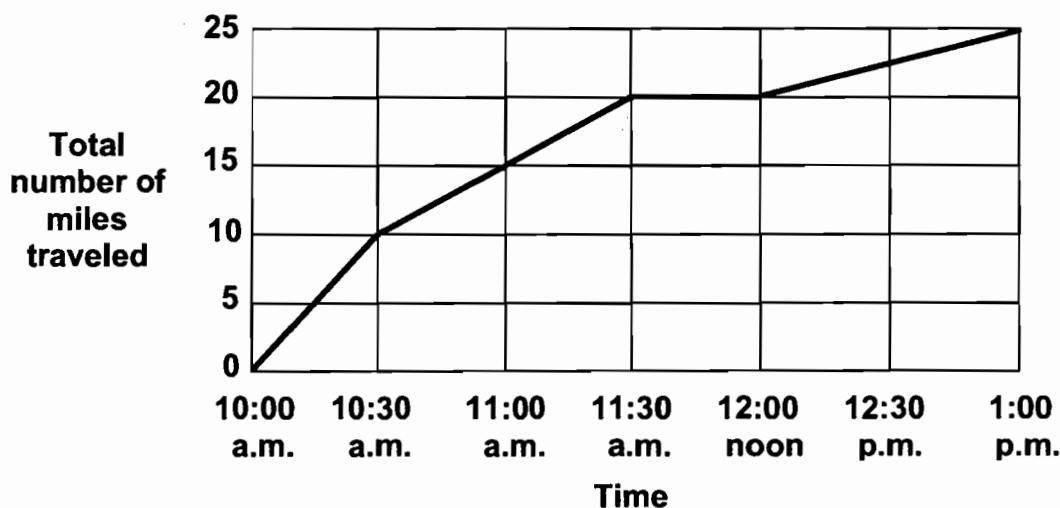
# S10

This problem gives you the chance to:

- interpret a distance/time graph

Selina and Jack went for a bike ride today.

They made this graph of their bike ride.



1. How many miles did they travel in all?

25 miles

2. How long did their bike ride take?

3 hours

3. When were they cycling the fastest?

from 10:00-10:30 a.m.

Explain your answer.

They were going 5 miles per 15 minutes, or 20mph.

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

They did not travel any miles

Explain your answer.

from 11:30 - noon they had  
still only ridden 20 miles.

5. What was their speed between 12 noon and 1 p.m.?

5

miles an hour