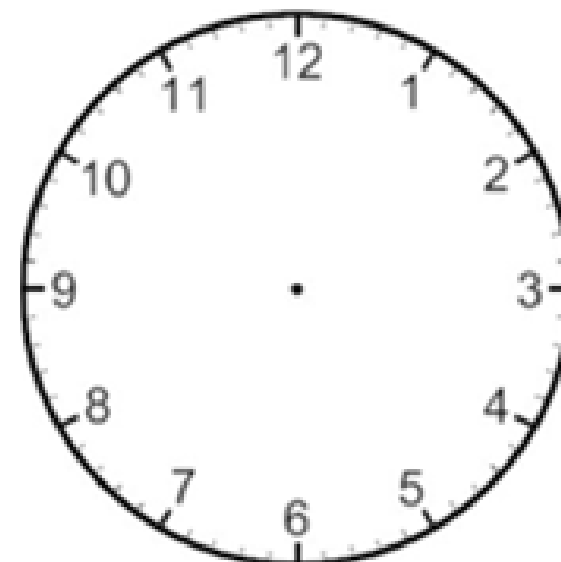


# Practice Clock and Ferris

If the hands are at the indicated locations, what time does the clock read?

Hour hand:  $-210^\circ$

Minute hand:  $\frac{7\pi}{3}$



What are the central angle measures (positive and negative degrees and radians) as well as the arc length, given the two hour hand placements

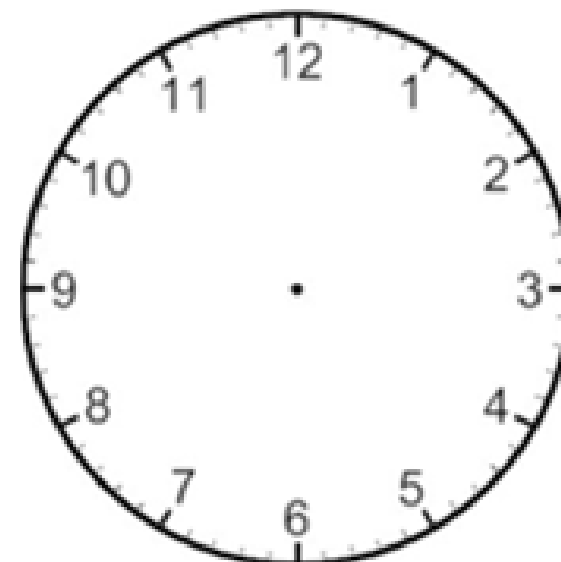
4:30 and 9

11 and 7

If the hands are at the indicated locations, what time does the clock read?

Hour hand:  $\frac{10\pi}{3}$

Minute hand:  $-390^\circ$



What are the central angle measures (positive and negative degrees and radians) as well as the arc length, given the two hour hand placements

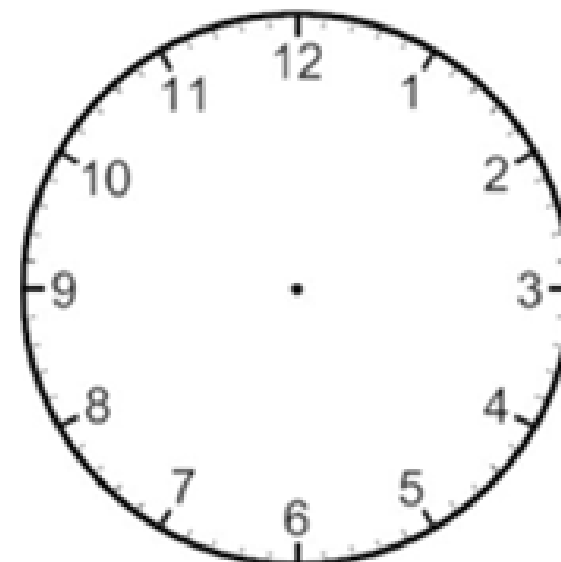
*3:30 and 6*

*10 and 5*

If the hands are at the indicated locations, what time does the clock read?

Hour hand:  $840^\circ$

Minute hand:  $-\frac{17\pi}{6}$



What are the central angle measures (positive and negative degrees and radians) as well as the arc length, given the two hour hand placements

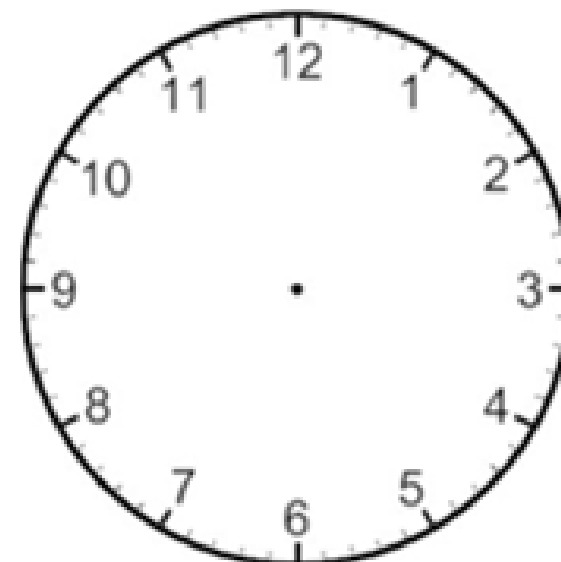
*9 and 7*

*8 and 12:30*

If the hands are at the indicated locations, what time does the clock read?

Hour hand:  $480^\circ$

Minute hand:  $-\frac{11\pi}{6}$



What are the central angle measures (positive and negative degrees and radians) as well as the arc length, given the two hour hand placements

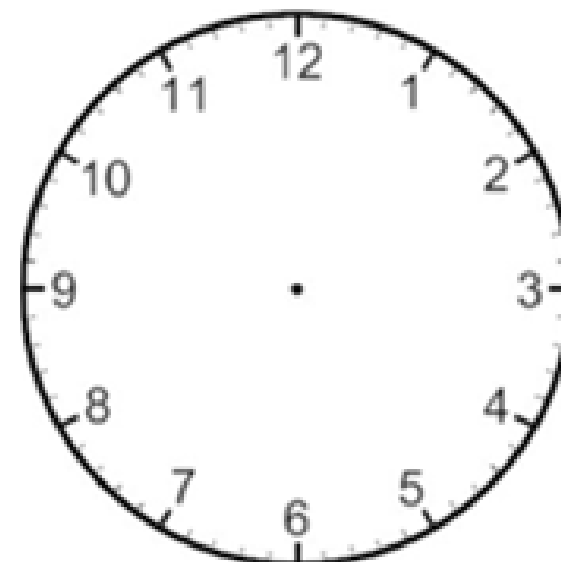
10 and 7

8:30 and 3

If the hands are at the indicated locations, what time does the clock read?

Hour hand:  $600^\circ$

Minute hand:  $-\frac{11\pi}{6}$



What are the central angle measures (positive and negative degrees and radians) as well as the arc length, given the two hour hand placements

9:30 and 7:30

5 and 8:30

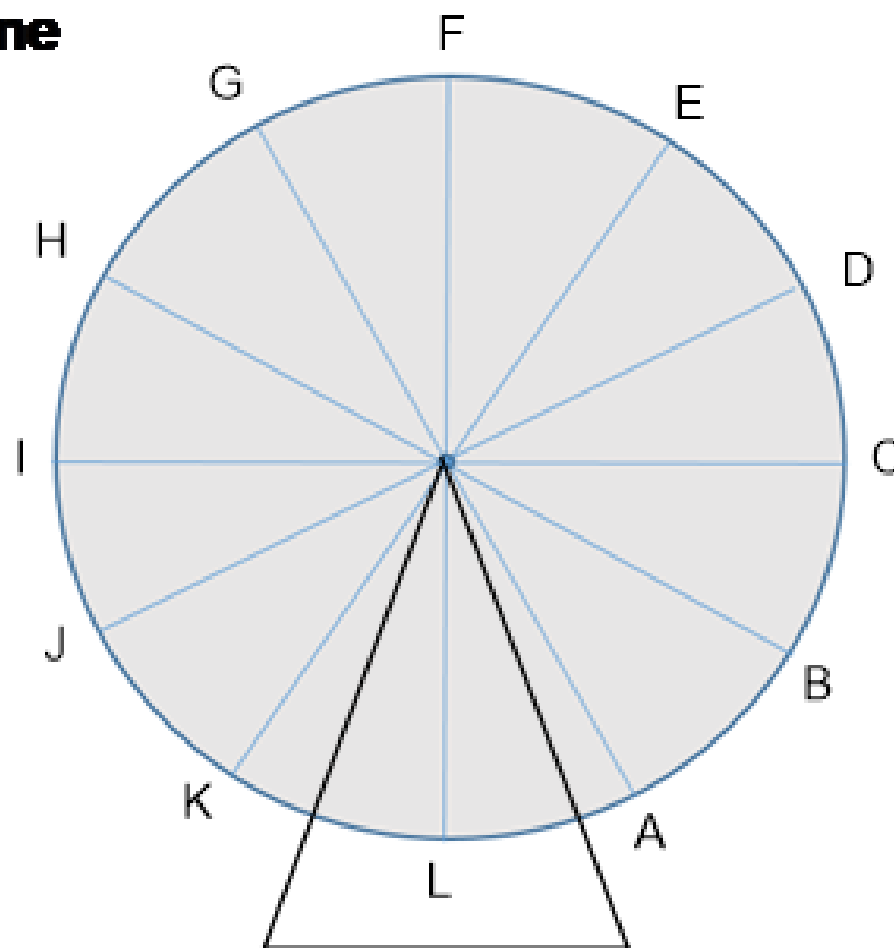
Extra

**Radius of the Ferris wheel is 15 feet.  
It takes 48 seconds to complete one  
full revolution.**

**Point F is 34 feet off the ground.**

**You get on at point A.**

1. What is the angle from A to B?
2. How long does it take to get from A to B?
3. What is the height at G?
4. What is the height at point I?
5. What is the height 38 seconds into the ride?



**At point L you are 6 feet from the ground.**

**It takes 60 seconds to complete one full revolution.**

**Point F is 44 feet off the ground.**

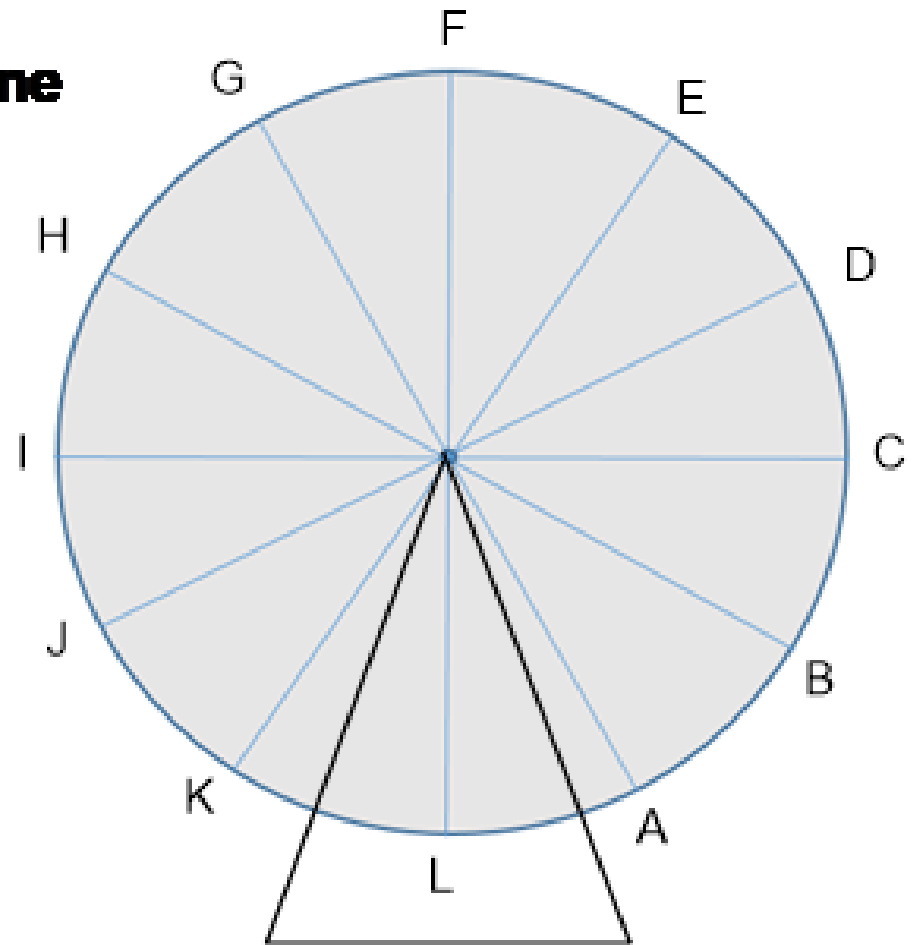
**You get on at point A.**

1. What is the angle from A to B?

2. How long does it take to get from A to B?

3. What is the height at D?

4. What is the height 42.5 seconds into the ride?

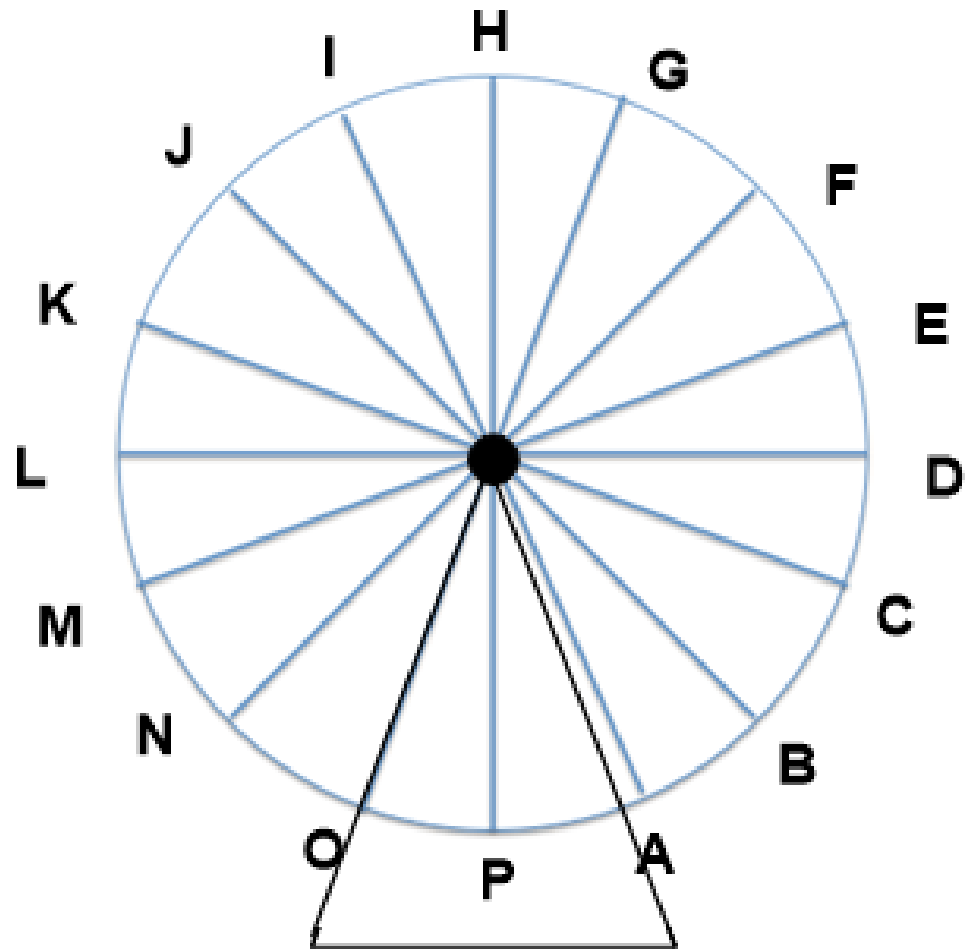




**Radius of the Ferris wheel is 32 feet.  
It takes 40 seconds to complete one  
full revolution.**

**Point H is 72 feet off the ground.  
You get on at Point A.**

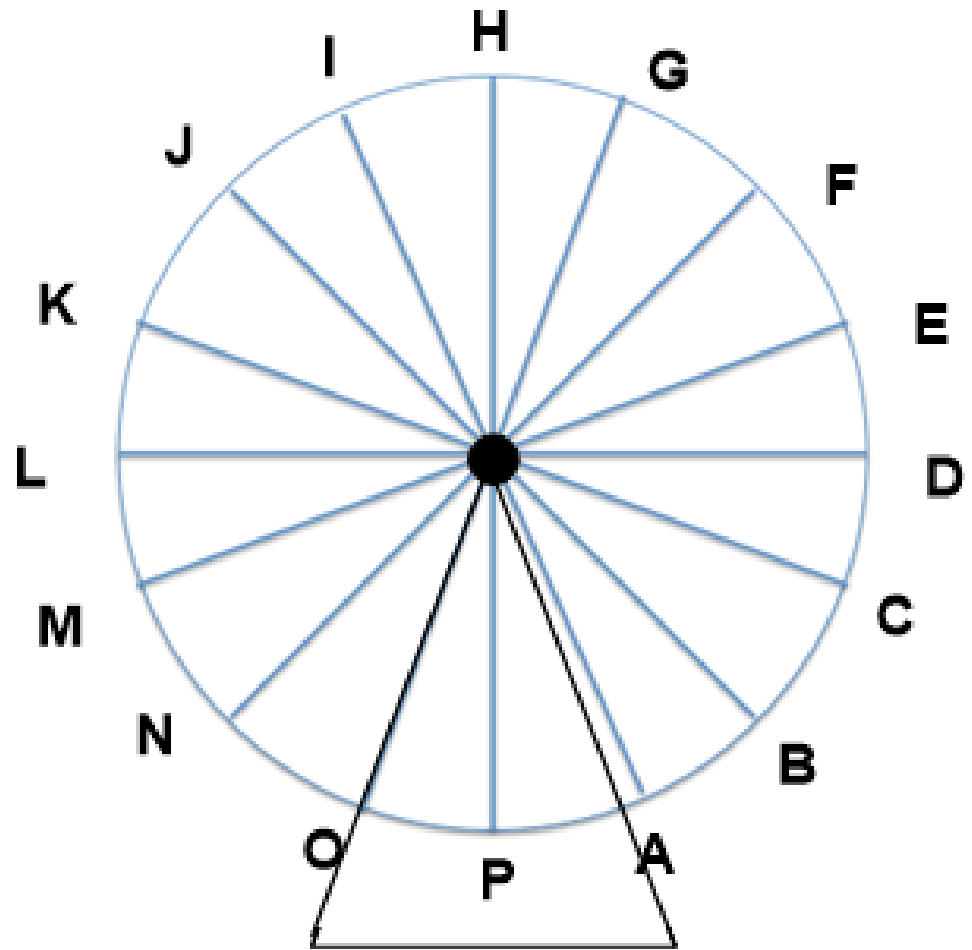
1. What is the angle from A to B?
2. How long does it take to get from A to B?
3. What is the height at I?  
When else would you be at that height?
4. What is the height 32.5 seconds into the ride?



**Radius of the Ferris wheel is 14 feet.  
It takes 48 seconds to complete one  
full revolution.**

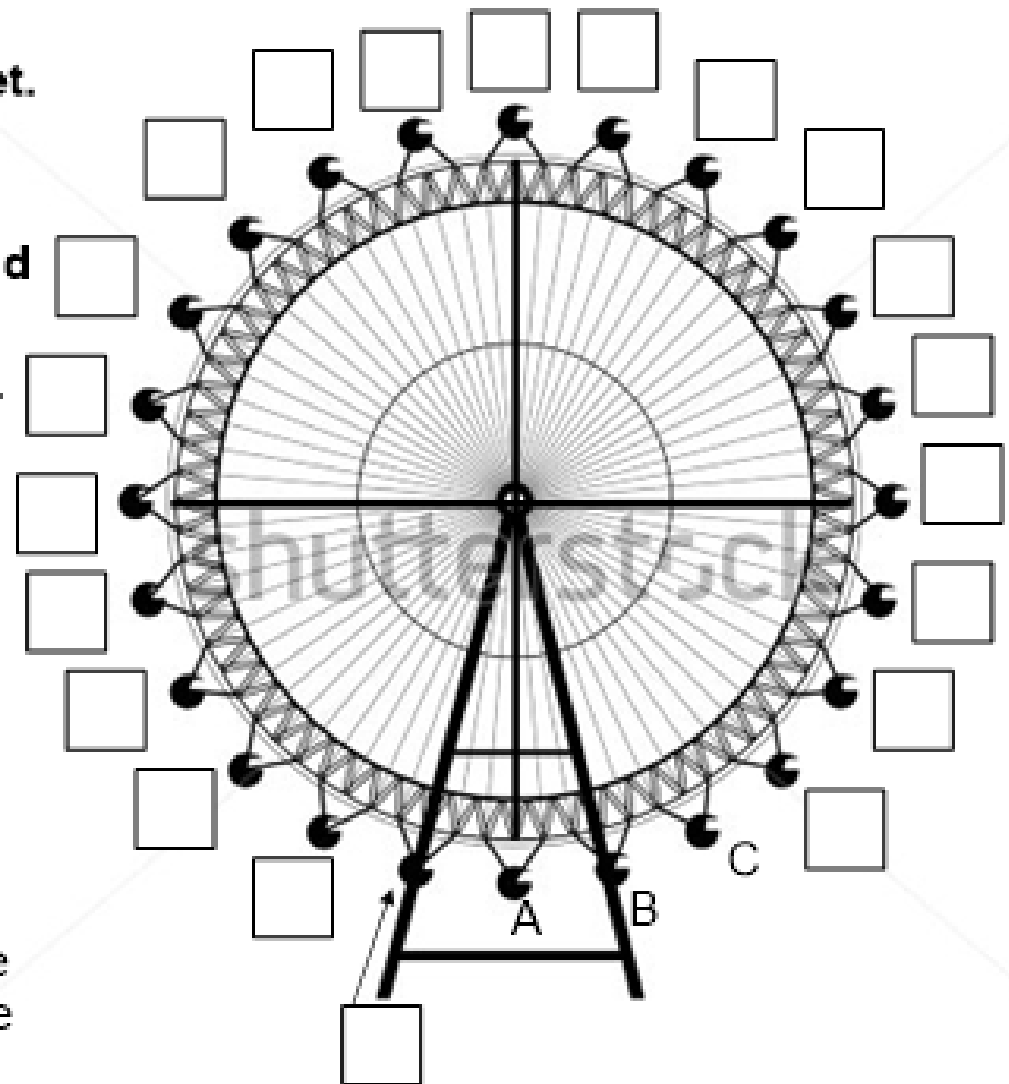
**Point L is 21 feet off the ground.  
You get on at Point A.**

1. What is the angle from A to B?
2. How long does it take to get from A to B?
3. What is the height at N?  
When else would you be at that height?
4. What is the height 66 seconds into the ride?



- The radius of the Ferris Wheel is 62 feet.
- It takes 60 seconds to complete one revolution.
- The distance from the top to the ground is 129 feet.
- You get on the Ferris Wheel at Point A.

1. Finish labeling.
2. How long does it take to get from B to C?
3. How long does it take to get from G to Q?
4. What is the angle from A to B?
5. What is the angle from Q to S?
6. What is the height at J?
7. Using the answer to question 6, where else on the Ferris Wheel will there be the same height?
8. What is the height 55 seconds into the ride?



Extra