

Use the same method for finding the angular velocity of each of these things:

- a) set the angular displacement to 2π
- b) determine the time for rotating around a full circle in seconds
- c) use the formula

8. the second hand of a clock.

9. the minute hand of a clock

10. the hour hand of a clock

11. the earth, (rotating during a day)

Determine the angular velocity in radians per second.

12. the moon, revolving around the earth (it revolves once in 27 days)

Determine the angular velocity in radians per second.

13. the earth, revolving around the sun (it revolves once in 365.25 days)

Determine the angular velocity in radians per second.