## Converting between the 12 hour and 24 hour clock - answers

## Remember:

To convert into 12 hour time, take away from the number in front of the point. Example: what is 16.21 in 12 hour time?
$16-12=4$, so it is 21 minutes past 4 , or 4.21 pm .
(To change a time into 24 hour time, add 12 to the number in front of the point).

1. To convert into 12 hour time take 12 away from 21.

21-12 = 9
This clock shows 44 minutes past 9 at night, or 9.44 pm .
Or you could say that it is 16 minutes to 10 , as 60-44 = 16 .
2. This one is easy to read. The number in front of the point shows the hour and the number after shows the minutes, so it is 28 minutes past 11. (Almost half past, as in 2 minutes it will be 11.30).
3. Count the number of minutes from 12 anticlockwise to where the minute hand is pointing. There are 3, so the time is 3 minutes to 3 . If you counted clockwise you would get 57 minutes, as $60-3=57$. So you could say that it is 57 minutes past 2 , or 2.57 .
4. Count the number of minutes clockwise from 12 to where the minute hand is pointing. There are 16 , so the time is 16 minutes past 6 . Remember that the small hand points to the hour (in this case, 6).
5. Take 12 away from the number in front of the point:

23-12 = 11
There are 14 minutes (the figure after the point) so it is 14 minutes past 11, or 11.14 pm .
6. Add 12 to the number in front of the point:
$12+3=15$, so it is 15.38 .

