

These analog clocks use the dozenal number base, which requires ten and eleven to be single digits. On the *diurnal* clocks, the slowest hand circles the clock face once a day. Each of the other hands moves a dozen times faster than the next slower one.

On the *semidiurnal* clock, the slowest hand circles the clock face twice a day, like the traditional clock with AM and PM. Each of the other hands also moves a dozen times faster than the next slower one.

The box transfers the hand positions into a numeric readout, giving the dozenal digital time. For example, in diurnal time, the first digit divides the day into a dozen two-hour periods, the second digit divides each of those into a dozen ten-minute periods, the third digit divides each of those into a dozen fifty-second periods, and so on.

For specific information about the Bangle.js watch face, go [here](#).

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