

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.

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