

## Basit Güneş Saati Yapımı

1. <https://www.blocklayer.com/sundial-pop.aspx> sitesine girilir. Hemisphere bölümünden “Northern” kuzey yarım küre seçilir. Find Latitude + Longitude bölümüne tıklayarak güneş saatini kullanacağımız konum açılan haritadan seçilir.

The screenshot shows the Sundial Calculator interface. On the left, there are navigation options: Keyboard, Fine tune Sliders, Diagrams to PDF, Copy Diagrams, Calculator, Printing Help, Help & Settings, Share, and Remove Margins. The main form is titled "Sundial." and includes a Hemisphere selector (Northern selected), a Latitude input field (22), a Diameter input field (240), and a Colour selector. A "Calculate" button is visible. To the right, there are search buttons for "how to make a pocket sundial", "old fashioned sundial", "backyard sundial", and "black sundial". Below these, a "Convert Decimal" button is shown with a result of 16.36°. A warning icon and text state: "The Gnomon on your sundial needs to point to True North in the Northern Hemisphere, or True South in the Southern Hemisphere. Hit Find Latitude + Longitude then click your location on the map or drag pointer to re-draw (animate) the sundial with correct increments. Drag the Latitude slide to see how the sundial markings change for different Latitudes. Align the Gnomon True North or South line on the template with the compass bearing on the template to 'Set' the time." Below the text, there are sliders for "Find Latitude + Longitude", "Latitude", and "Diameter". The "Latitude" slider is set to 22° North. Below the sliders, a partial sundial diagram is shown with "True North" labels.

2. Sonra “Calculate” butonuna tıklanır.

This screenshot shows the same Sundial Calculator interface as the previous one, but with the "Calculate" button highlighted in red and a red checkmark next to it, indicating that the calculation has been performed. The Latitude input field now shows "41.01" and the result is "N 41° 0' 35\".

3. Hemen altta konumunuza göre oluşturduğunuz **horizontal güneş saati** güncellenecektir.

This screenshot shows the updated horizontal sundial diagram. The "Latitude" slider is set to 41.01° North. The sundial diagram is a semi-circle with hour lines and gnomon markings. The diagram is labeled "Latitude 41.01° North" and "AM" and "PM" are indicated. A context menu is open over the diagram with options: "Görseli farklı kaydet", "Görseli kopyala", and "Öğeyi incele (Ctrl+Shift+I)". The "Görseli farklı kaydet" option is highlighted with a red checkmark. Below the diagram, the text "Printed width: 240 height: 199" is visible.

Saatin görseline sağ tıklayarak bilgisayarınıza kopyalayabilir ya da sayfanın en altındaki “diagrams to pdf” butonuna basarak direkt yazıcıdan çıktı alabilirsiniz.

⚠ All Metric Inputs in Millimetres (unless otherwise noted)

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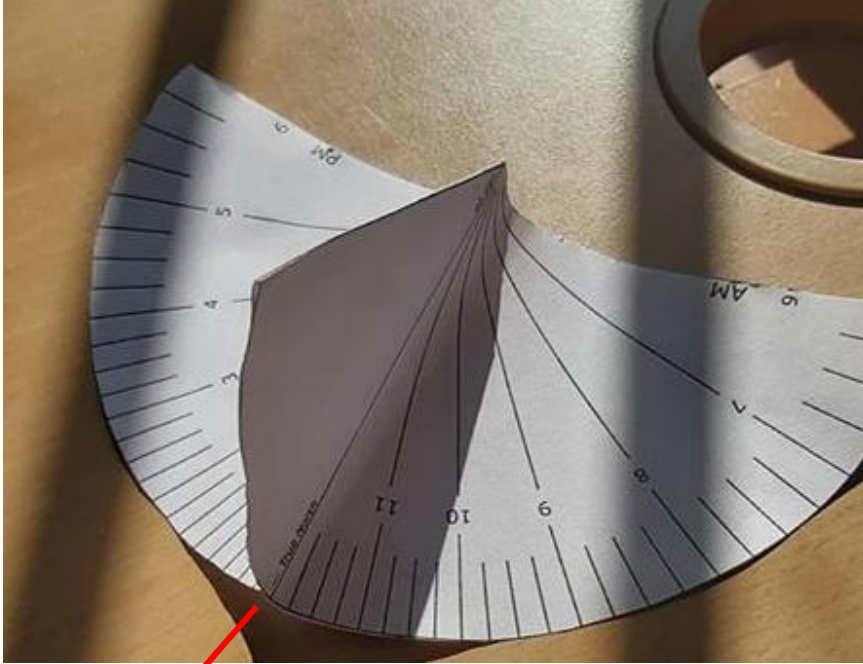
**Diagrams to PDF** Create PDF to print diagrams on this page. [Help & Settings](#) [Printing Help](#) (new window)

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5. Oluşturulan **güneş saati** çıktısını **True North** yazan kısımları birbirine denk gelecek şekilde katlayıp yapıştırıyoruz. Aşağıdaki resimde gösterildiği gibi bir saat elde edeceksiniz. .



**KUZEY**

Bu saatin katladığımız çubuğu **kuzeyi gösterecek** şekilde **düz bir zemin üzerine** yerleştirdiğinizde gölgesi size yaklaşık olarak saati gösterecektir.

**Hazırlayan: Mehmet Yalçın Güngör**

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