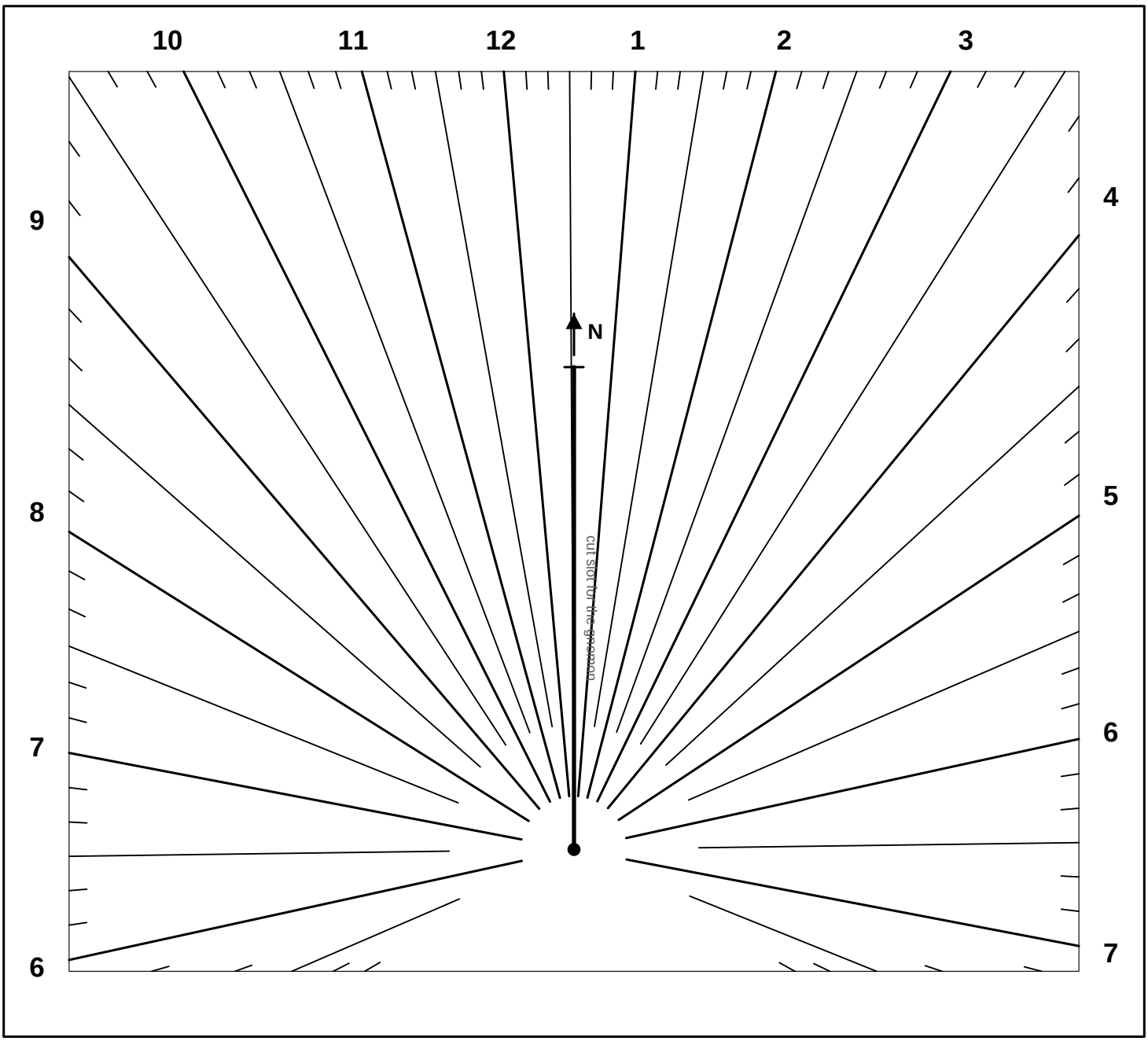
Horizontal sundial for Columbus, Ohio, US

39.96° N, 83.00° W. Hour lines for Eastern Standard Time (UTC-5). Made for 2026; good for decades.



Clock time = sundial time + these minutes

Minus: take away.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1st	+4	+14	+12	+4	-3	-2	+4	+6	0	-10	-16	-11
8th	+7	+14	+11	+2	-4	-1	+5	+6	-2	-13	-16	-8
15th	+9	+14	+9	0	-4	+1	+6	+4	-5	-14	-15	-5
22nd	+12	+13	+7	-2	-3	+2	+7	+3	-7	-16	-14	-1

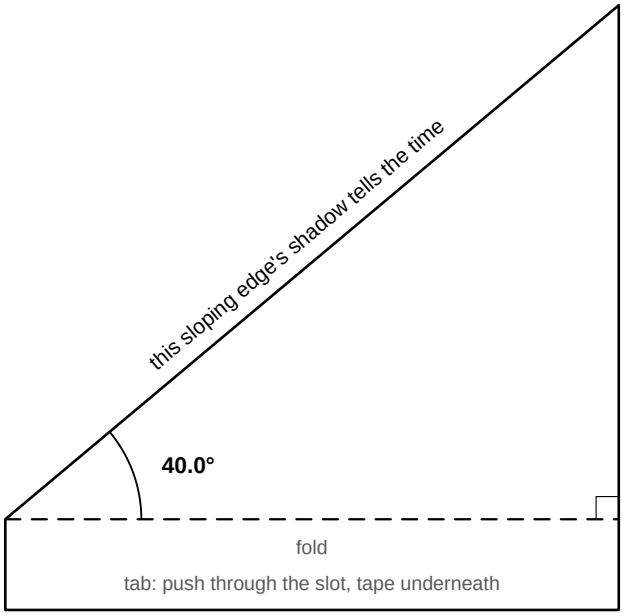
During summer time (Eastern Daylight Time): add 1 hour.

Stand it level in full sun with the gnomon's tall end toward true north. A compass needle points 7.2° west of true north here.

10 cm at full size. If not, print at 100% (Actual size).

Horizontal sundial: gnomon for Columbus, Ohio, US

39.96° N, 83.00° W. Hour lines for Eastern Standard Time (UTC-5). Made for 2026; good for decades.



Base 81 mm, height 68 mm, angle 40.0° (the latitude). The sharp corner goes on the dial's dot.

Make it

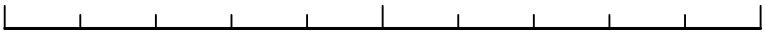
1. Print both sheets at 100% (Actual size), not Fit to page. The 10 cm bar should measure 10 cm.
2. Glue both sheets onto thin card, such as a cereal box. Cut out the gnomon along the solid lines.
3. Have an adult cut along the thick line on the dial with a craft knife: that is the slot.
4. Fold the gnomon's tab, push it down through the slot so the sharp corner sits on the dot, and tape the tab underneath. The gnomon must stand straight up.

Set it up

5. Put the dial on something level in full sun, with the gnomon's tall end toward true north. A compass needle points 7.2° west of true north here.
6. Or wait for solar noon, 12:32 PM plus the table's minutes, and turn the dial until the gnomon's shadow lies along the slot.

Read it

7. The shadow of the gnomon's sloping edge falls across the hour lines; the short lines are every 10 minutes.
8. Add the table's minutes for the date to get clock time. During summer time (Eastern Daylight Time): add 1 hour.



10 cm at full size. If not, print at 100% (Actual size).