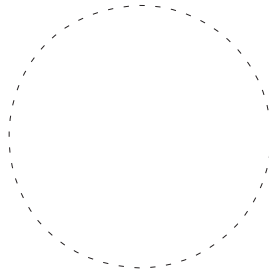


MOON OBSERVATION FLIP BOOK

CHECK NEXT 2 PAGES FOR INSTRUCTIONS

NAME		
LUNAR CALENDAR		
FROM		
DAY	MONTH	YEAR
TO		
DAY	MONTH	YEAR
SOLAR CALENDAR		
FROM		
DAY	MONTH	YEAR
TO		
DAY	MONTH	YEAR



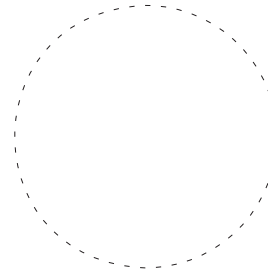
TIME DATE 01

The Hijri Calendar is a Lunar Calendar and is based on the phases of the moon. Write Day, Month and Year on the first page.

Example: FROM 01 Rabi' al-Awwal 1448 TO ...

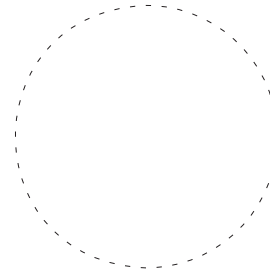
Gregorian Calendar is a Solar Calendar.

Write Day, Month and Year. Example FROM 14 AUG 2026 TO



TIME DATE 02

Observe the Moon each day for a month and shade / draw what you see each day.



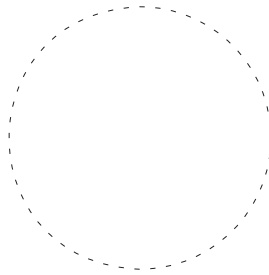
TIME DATE 03

رَبِيعُ الثَّانِي

رَبِيعُ الثَّانِي ١٤٤٨ هـ

رَبِيعُ الثَّانِي

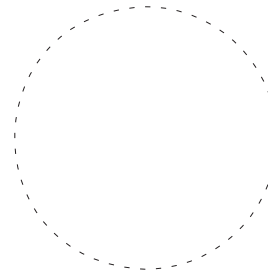
رَبِيعُ الثَّانِي ١٤٤٨ هـ
رَبِيعُ الثَّانِي ١٤٤٨ هـ
رَبِيعُ الثَّانِي ١٤٤٨ هـ



TIME DATE 04

The Moon does not make its own light. "Moonlight" is actually reflected sunlight.

Did the Moon look the same each day?



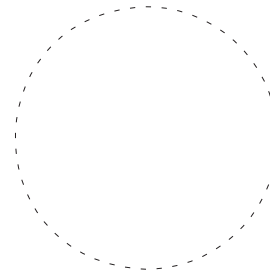
TIME DATE 05

رَبِيعُ الثَّانِي

رَبِيعُ الثَّانِي ١٤٤٨ هـ

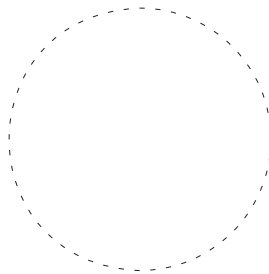
رَبِيعُ الثَّانِي ١٤٤٨ هـ

رَبِيعُ الثَّانِي ١٤٤٨ هـ
رَبِيعُ الثَّانِي ١٤٤٨ هـ
رَبِيعُ الثَّانِي ١٤٤٨ هـ



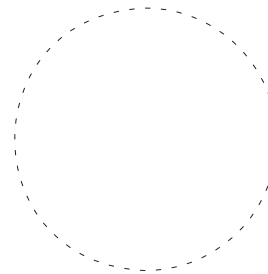
TIME DATE 06

The Moon takes the exact same amount of time to rotate once on its axis as it does to orbit Earth once (27.3 days). Because of this tidal locking, Earth always faces the exact same side of the Moon.



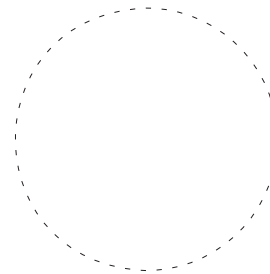
TIME DATE 07

Did you see the Moon at the same time each day? Was there a pattern to the time when you were able to observe it? If so, describe the pattern.



TIME DATE 08

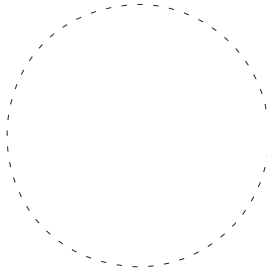
Moonrise and moonset times shift by roughly 50 minutes later each day.



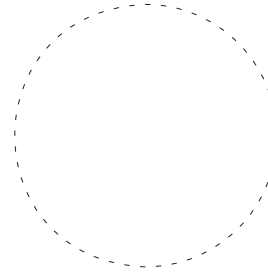
TIME DATE 09

The New Moon rises and sets with the Sun, making it invisible in the night sky.

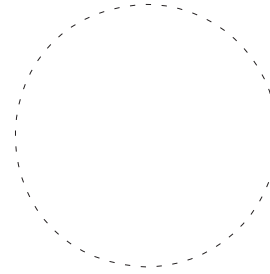
A Full Moon rises around sunset and sets around sunrise



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 ރަސުދުވަނުދިއާދު
 ސަލްވަދުނުދިއާދު
 ރަސުދުވަނުދިއާދު
 ވަދުދިއާދު (ރަސުދުވަނުދިއާދު ބަދަދު)
 ރަވަދުނު ދިއާދު ބަދަދު



A solar eclipse occurs when the Sun, Moon, and Earth line up, with the Moon in between the Sun and Earth. This only happens during a new Moon phase.

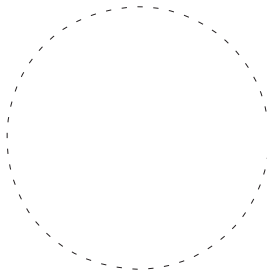


TIME DATE 10

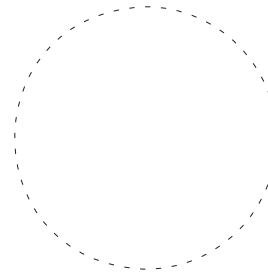
TIME DATE 11

TIME DATE 12

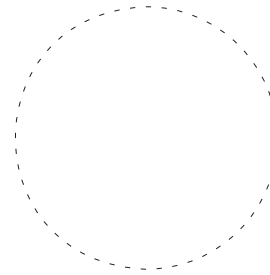
A lunar eclipse occurs when the Sun, Earth, and Moon line up, with the Earth in between the Sun and Moon. During what phase of the Moon could you see a lunar eclipse?



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 ބަދަދު ރަވަދުނު ދިއާދު
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Ocean tides are primarily generated by the gravitational attraction between Earth, the Moon, and the Sun.

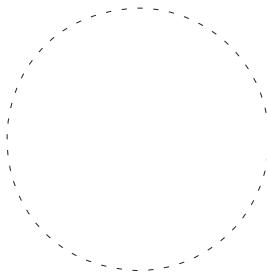


TIME DATE 13

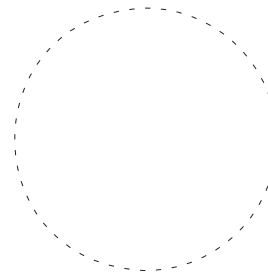
TIME DATE 14

TIME DATE 15

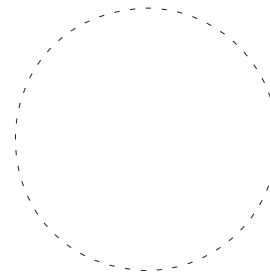
During New Moon and Full Moon phases, the Earth, Moon, and Sun align in a straight line. Their gravitational pulls reinforce one another, causing higher high tides and lower low tides known as spring tides.



In Maldives, fishermen advise to go fishing when the tide phase begins to change toward high tide and also during a full moon. A full moon casts more light on the water at night, affecting feeding patterns of fish.



Earth's Moon is 3.7x smaller than Earth. If Earth were the size of a 25 laari, the Moon would be about as big as a *madhoshi* (Red Sandalwood seed).

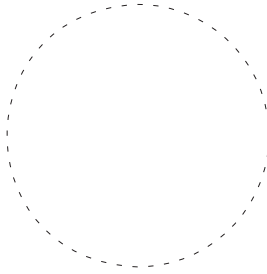


TIME DATE 16

TIME DATE 17

TIME DATE 18

In Latin, the Moon was called Luna, which is the main adjective for all things Moon-related: lunar.



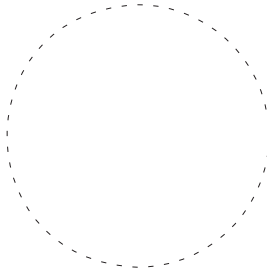
Lunacy means extreme foolishness, senseless or wild behavior, or (in old-fashioned use) mental illness.

In Dhivehi this could be referred to as

ރަސުލު ޖެހުމުގެ ވަސީލާ

TIME DATE 19

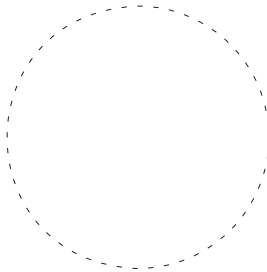
During a thin crescent phase, the dark portion of the Moon is often faintly visible. This dim glow is caused by sunlight reflecting off Earth's surface and clouds back onto the Moon's dark side and is called Earthshine.



During First Quarter and Third Quarter moon phases, the Sun and Moon sit at a 90-degree angle relative to Earth. The Sun's gravity counteracts the Moon's pull, resulting in weaker, moderate water movement called neap tides.

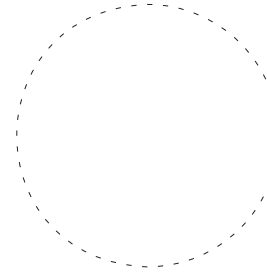
TIME DATE 22

Because the Maldives lies on the equator, crescent moons do not appear tilted sideways as they do in Europe or North America. Instead, the crescent lies horizontal, resembling a grinning "smile" in the night sky.



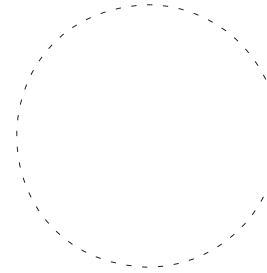
ސަލާމަތް ޖެހުމުގެ ވަސީލާ

TIME DATE 25

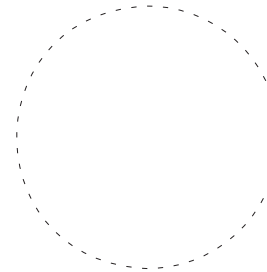


މަލާ ރަސުލު ޖެހުމުގެ ވަސީލާ
މަލާ ރަސުލު ޖެހުމުގެ ވަސީލާ
މަލާ ރަސުލު ޖެހުމުގެ ވަސީލާ
މަލާ ރަސުލު ޖެހުމުގެ ވަސީލާ

TIME DATE 20

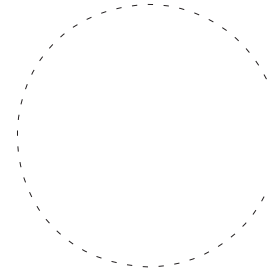


TIME DATE 23

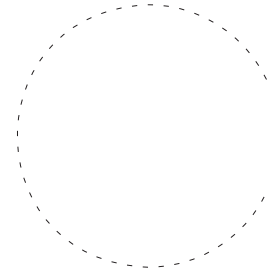


TIME DATE 26

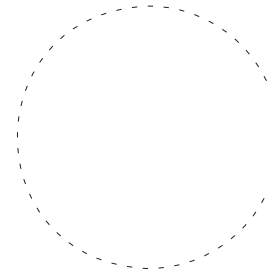
Did anything prevent you from being able to see the Moon this month? Could you still figure out what the Moon would have looked like if you could have seen it?



TIME DATE 21



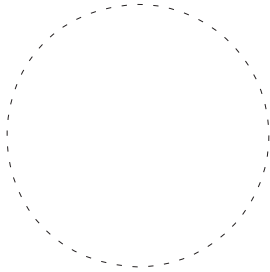
TIME DATE 24



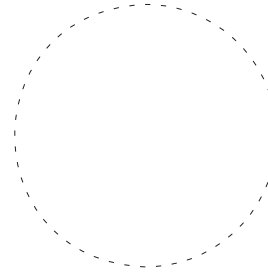
TIME DATE 27

Because the Moon has less mass than Earth, its gravitational pull is weaker (about one-sixth of Earth's). On the Moon, you'd be able to jump about six times as high as you can on Earth.

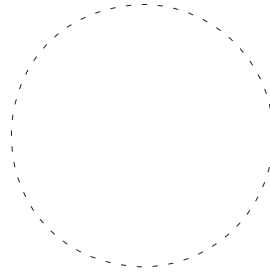
بِرَاقِطِ
 رَسَدِ قَرُونِ خَرَدِ سَرَدِ
 دَرِ سَكُونِ رُزِ قَرُونِ رَسَدِ
 قَرُونِ سَرَدِ



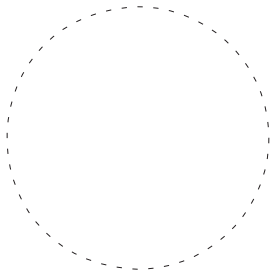
During a New Moon, the Moon sits between Earth and the Sun, making its lit side face away from Earth. The New Moon rises and sets with the Sun, making it invisible in the night sky.



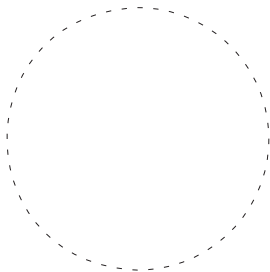
In an observational Hijri calendar, any month can have either 29 or 30 days based on the sighting of the moon, so there is no fixed number of 30-day months per year.



TIME DATE 28
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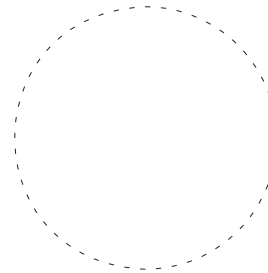


TIME DATE
 +

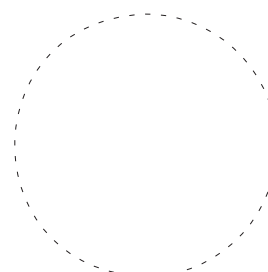


TIME DATE
 +

TIME DATE 29
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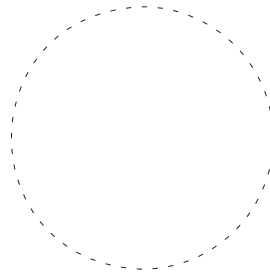


TIME DATE
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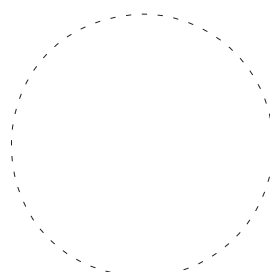


TIME DATE
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TIME DATE 30
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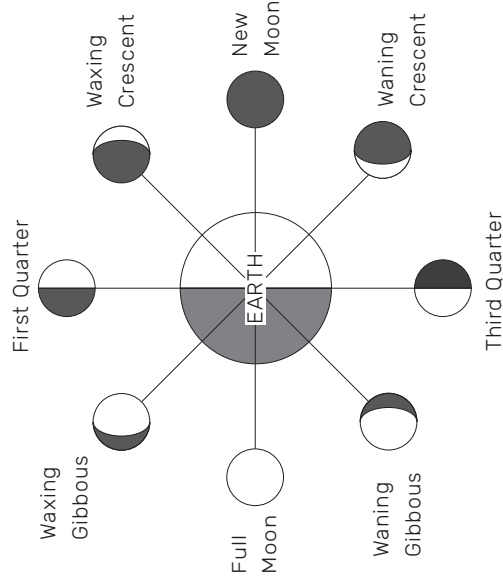


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MOON OBSERVATION FLIP BOOK



Recommended to print this cover page on brown paper for a durable, authentic field-journal finish.



MOODHUFILAA NATURE SCHOOL

HOW TO MAKE YOUR MOON OBSERVATION FLIP BOOK

WHAT YOU NEED:

- Printed PDF pages (single-sided)
- Scissors/Paper Cutter and Ruler
- Stapler (or binder clip)
- Optional: Cardstock paper (for smoother flipping)

STEP-BY-STEP INSTRUCTIONS:

- 1. Print & Cut:** Print all pages single-sided on A4 paper at actual size (100% scale). Carefully cut along the outer dashed lines to separate each moon card.
- 2. Stack in Order:** Arrange your cards in numerical order, starting with Page 1 on top down to the last page on the bottom.
- 3. Align Your Deck:** Tap the stack against a flat table so the right-hand edges line up smoothly.
- 4. Bind the Edge:** Firmly staple the left side of your stack twice, about 1/4 inch from the edge, to secure your book.
- 5. Add the Cover:** Fold the cover page around the middle of the left spine and glue the edges down to create a neat book cover.
- 6. Observe & Fill:** Observe the Moon each day for a month and shade / draw what you see each day.
- 7. Flip & Watch:** Hold the stapled left side with one hand, use your opposite thumb on the right edge, and flip fast to watch the moon phases

WATCH THE STEP-BY-STEP VIDEO.

Scan this QR code or visit our website to watch video tutorial
school.nature.mv/kandu/moonphases/



Created by MoodhuFilaa Nature School
EdhuruVeshi April 2026 Study Kit
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