

KS2 SCIENCE

EARTH

MOON

Is the Earth a flat disc?

LIGHT

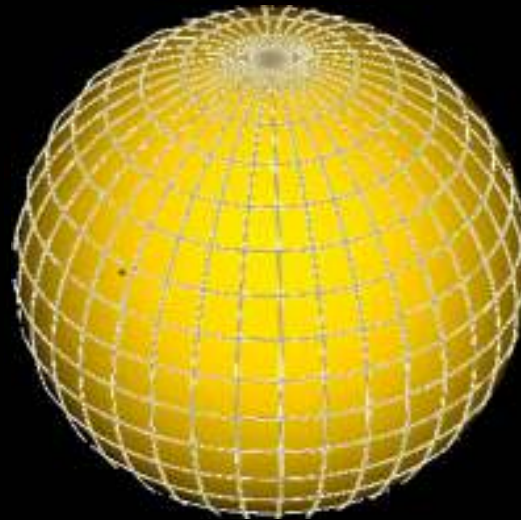


big screen



No.

The Sun, Earth and Moon are approximately spherical.

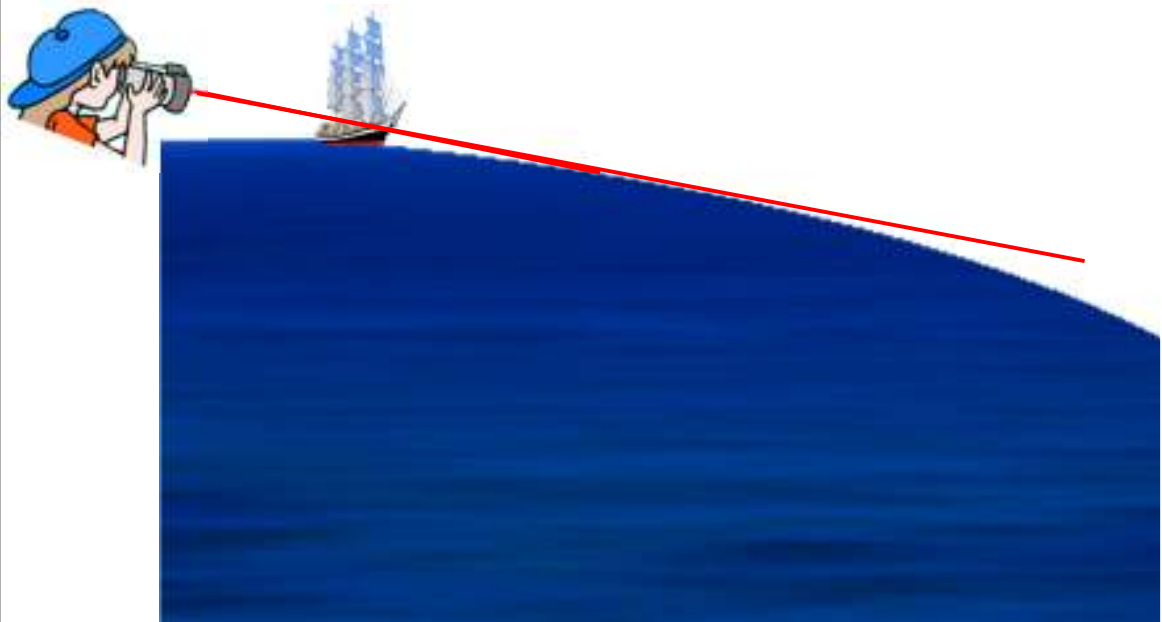


Evidence?

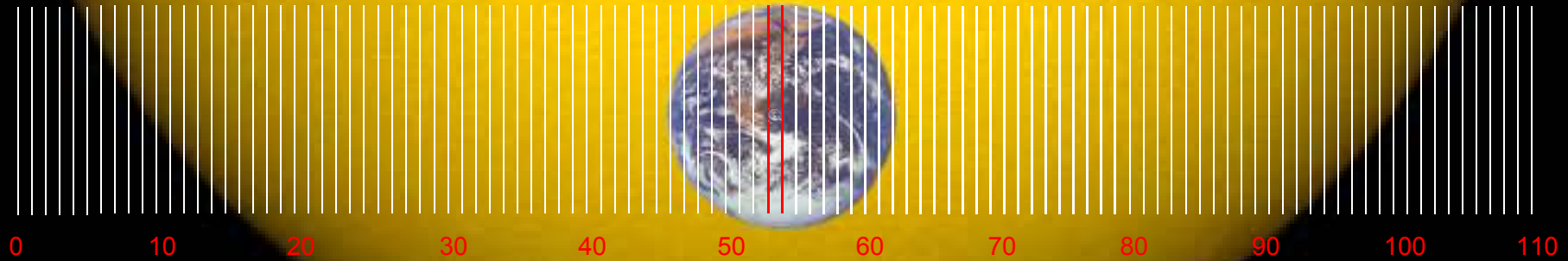


How do we know the Earth is a sphere?

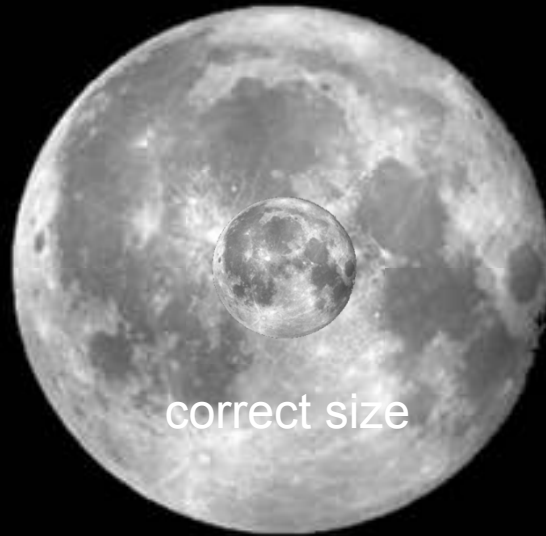
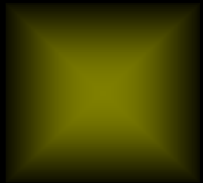
Ships appear to sink below the horizon.



How many times bigger is the Sun than the Earth?



How big is the Moon compared to the Earth?



correct size



	Earth	Moon
Diameter	12,742 km	3,476 km

The diameter of the Earth is nearly four times greater than the Moon (3.7 times).



	Earth	Moon
Diameter	12,742 km	3,476 km

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correct size

30 Earth diameters



correct position



How far is the Moon
from the Earth?



Why does the Moon have Phases?



Full Moon

← As seen from Earth



Last Quarter



New Moon



First Quarter



Full Moon



**As the Earth orbits the Sun it always leans the same way in space.
It is summer in the north when the north leans toward the Sun.
It is winter in the north when leaning away from the Sun.**

SUMMER



SPRING



WINTER



AUTUMN

Because the Earth is leaning, the Sun reaches different heights in the sky at different times of the year

JULY

MAY

MARCH

JANUARY

Points to discuss...

How do we know that the Earth is a sphere (ball shaped, not flat)?

About how many times bigger is the Sun than the Earth?

About how many times bigger is the Earth than the Moon?

How far away from the Earth is the Moon?

What causes the phases of the moon?

What causes the seasons?

Why does the Sun rise higher in the sky in the summer?

LO: To revise Earth, Sun and Moon.

- This power point contains all the key concepts for our Science topic – Earth, Sun and Moon
- You need to create a poster to help you revise all these key concepts.
- Make sure you include diagrams
- You can do this on paper or in your learning books.