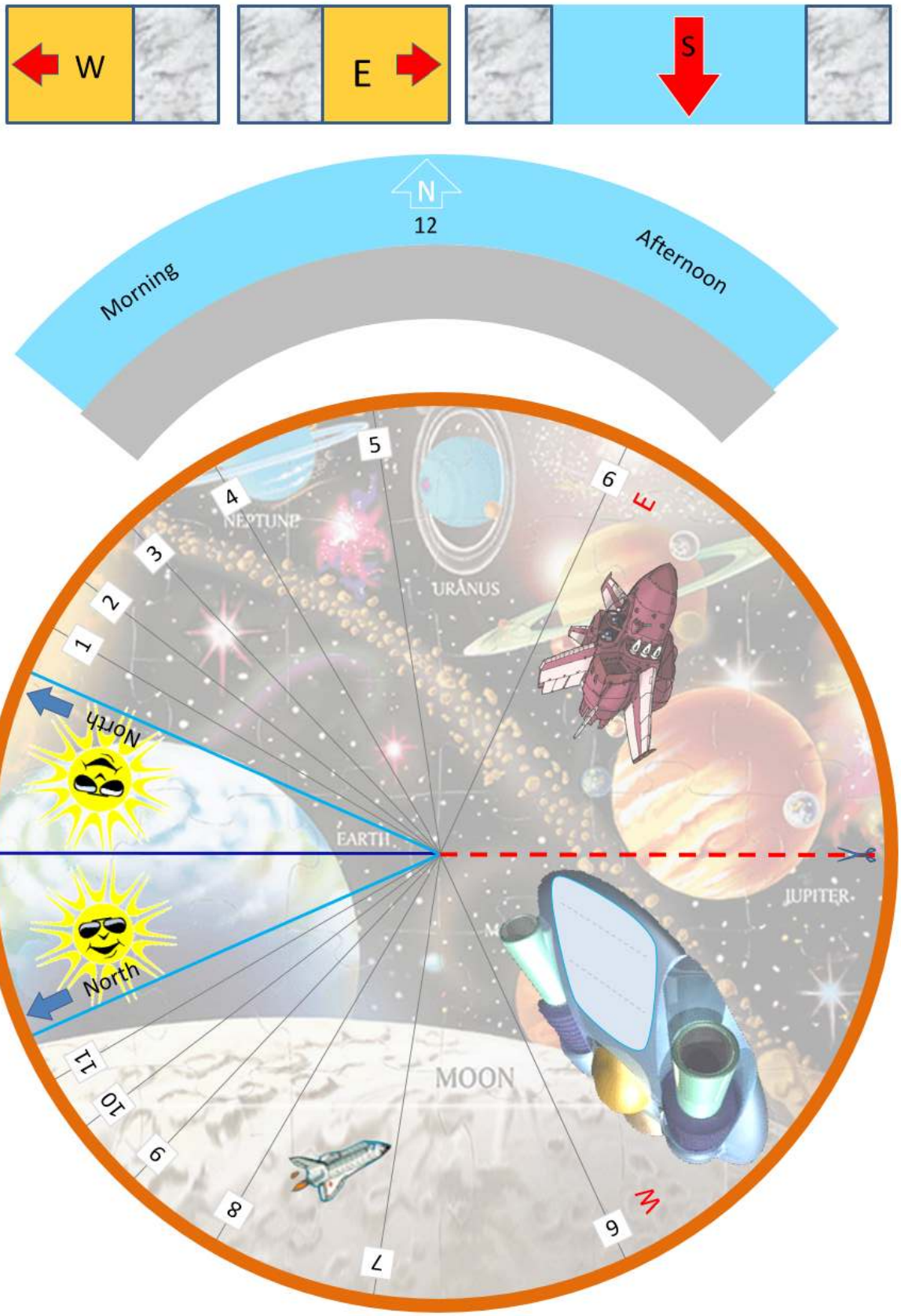
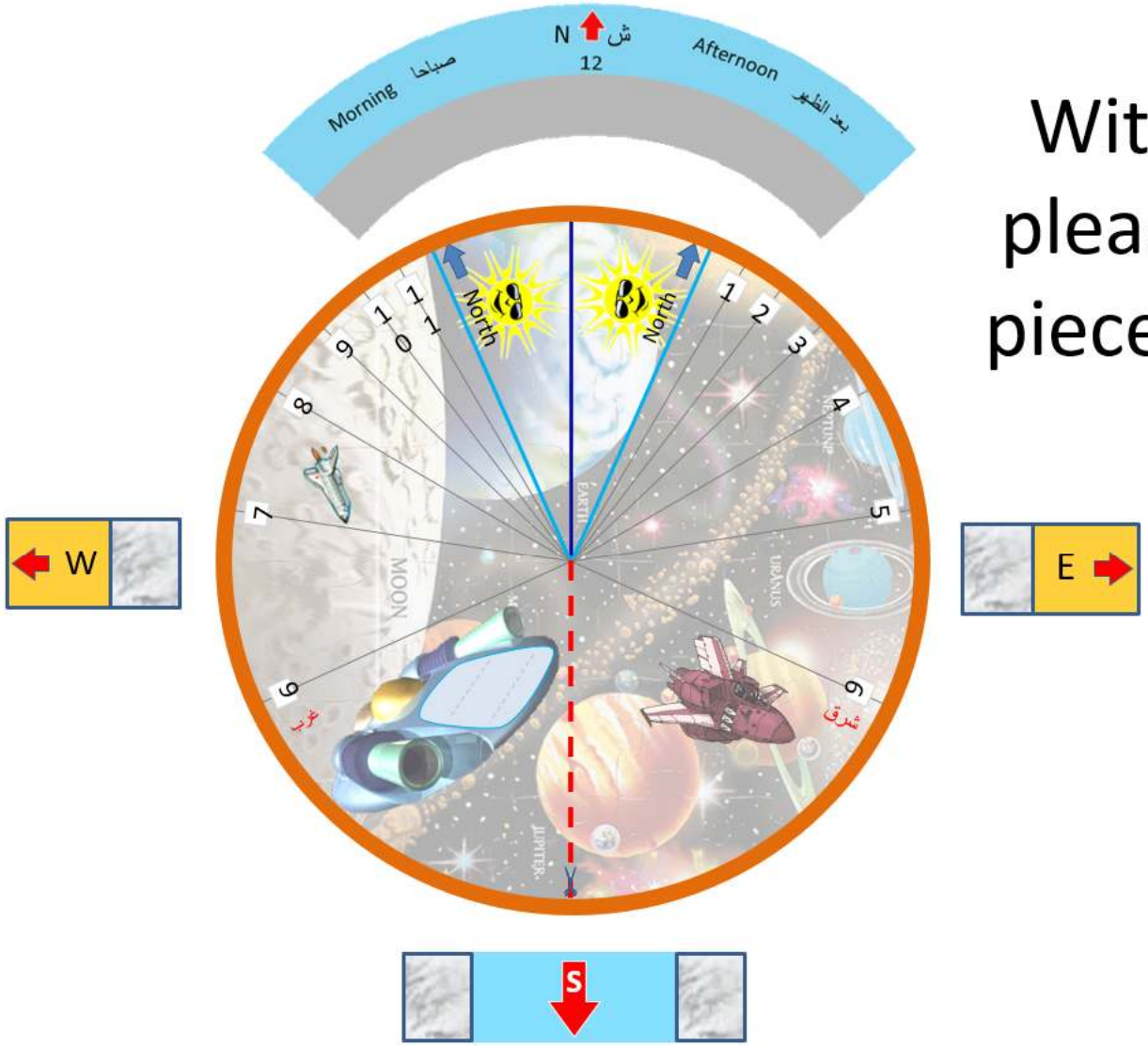
Let’s make a sundial

This sundial is designed to work in regions close to the tropic od cancer (25 degrees north)

Design by: Marwan Shwaiki
Planetarium Manager- Sharjah Center for Astronomy & Space Sciences

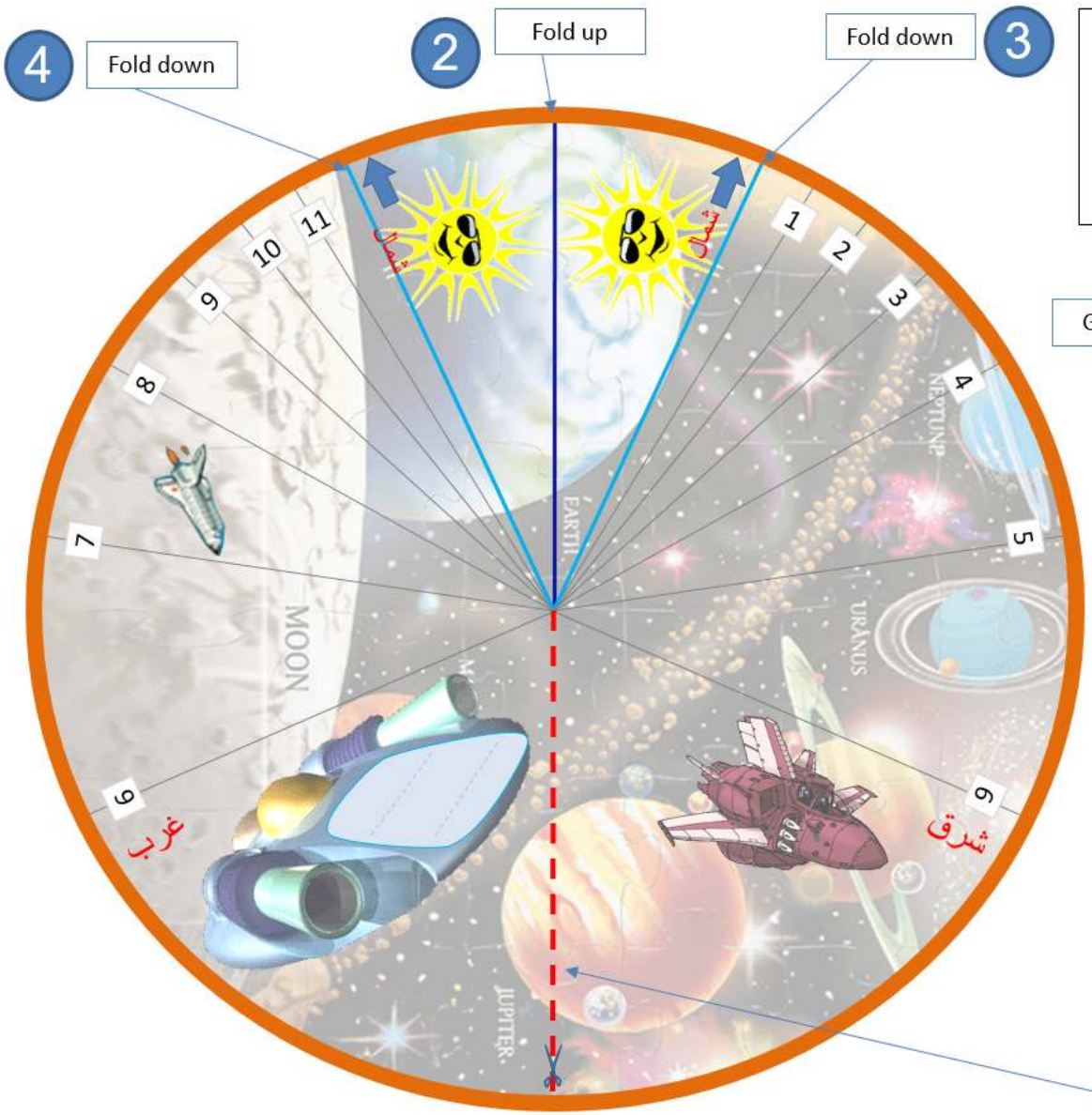
Please print the next page on
a A4 size card (250g)

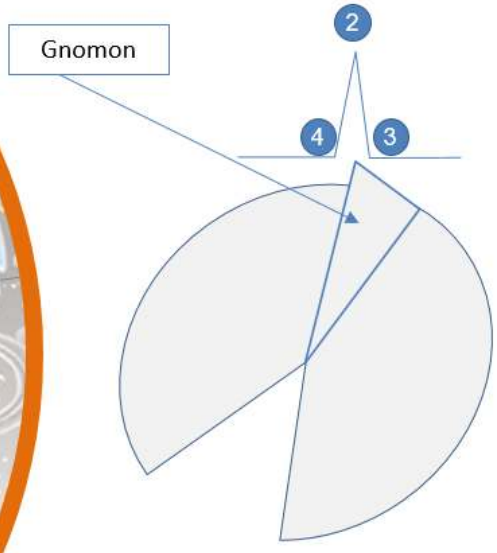

W
E
S
N
12
Morning
Afternoon
5
4
3
2
1
6
E
NEPTUNE
URANUS
North
EARTH
North
JUPITER
MOON
11
10
9
8
7
6
W



With a scissor, please get the 5 pieces separated

Folding the gnomon

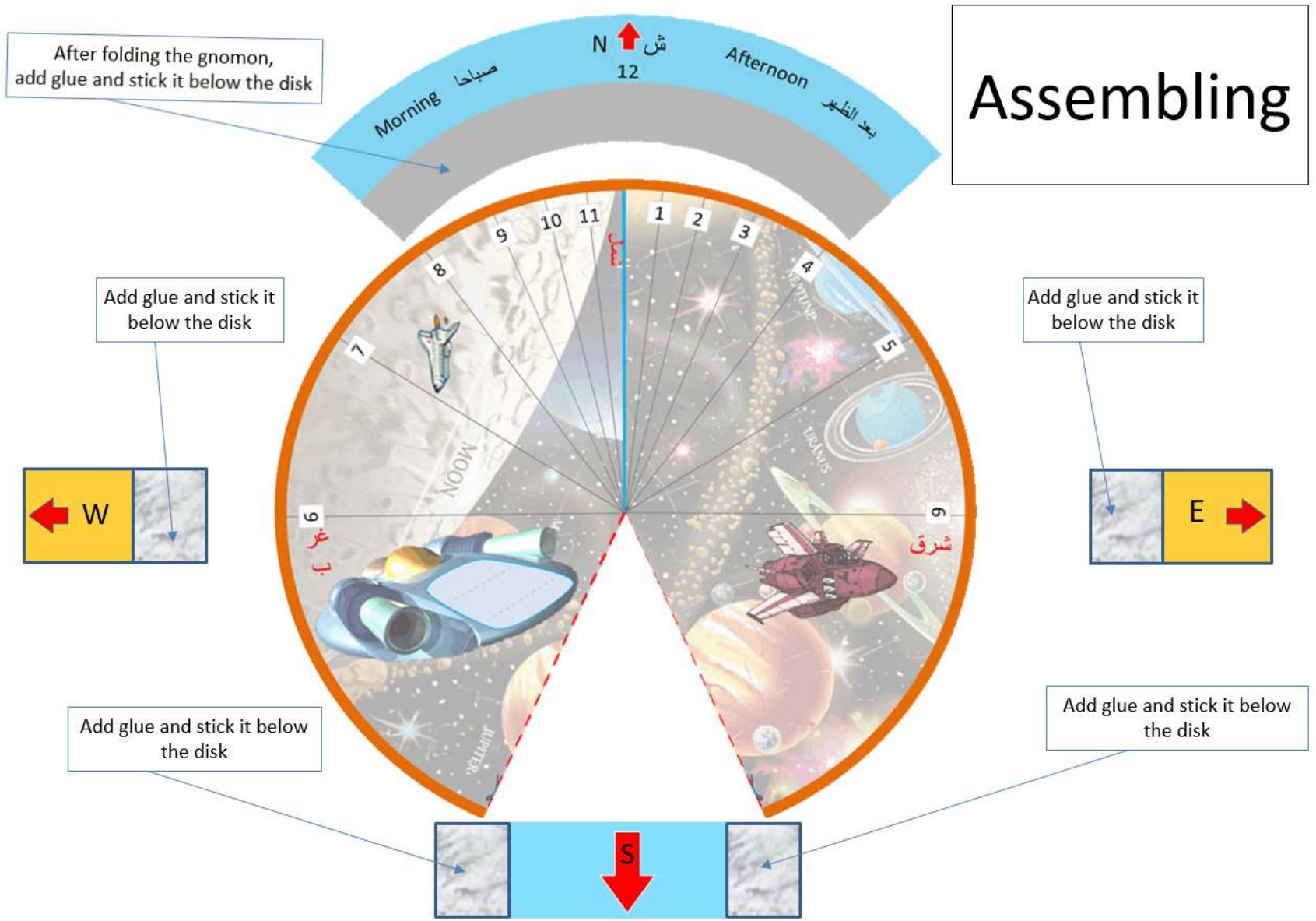




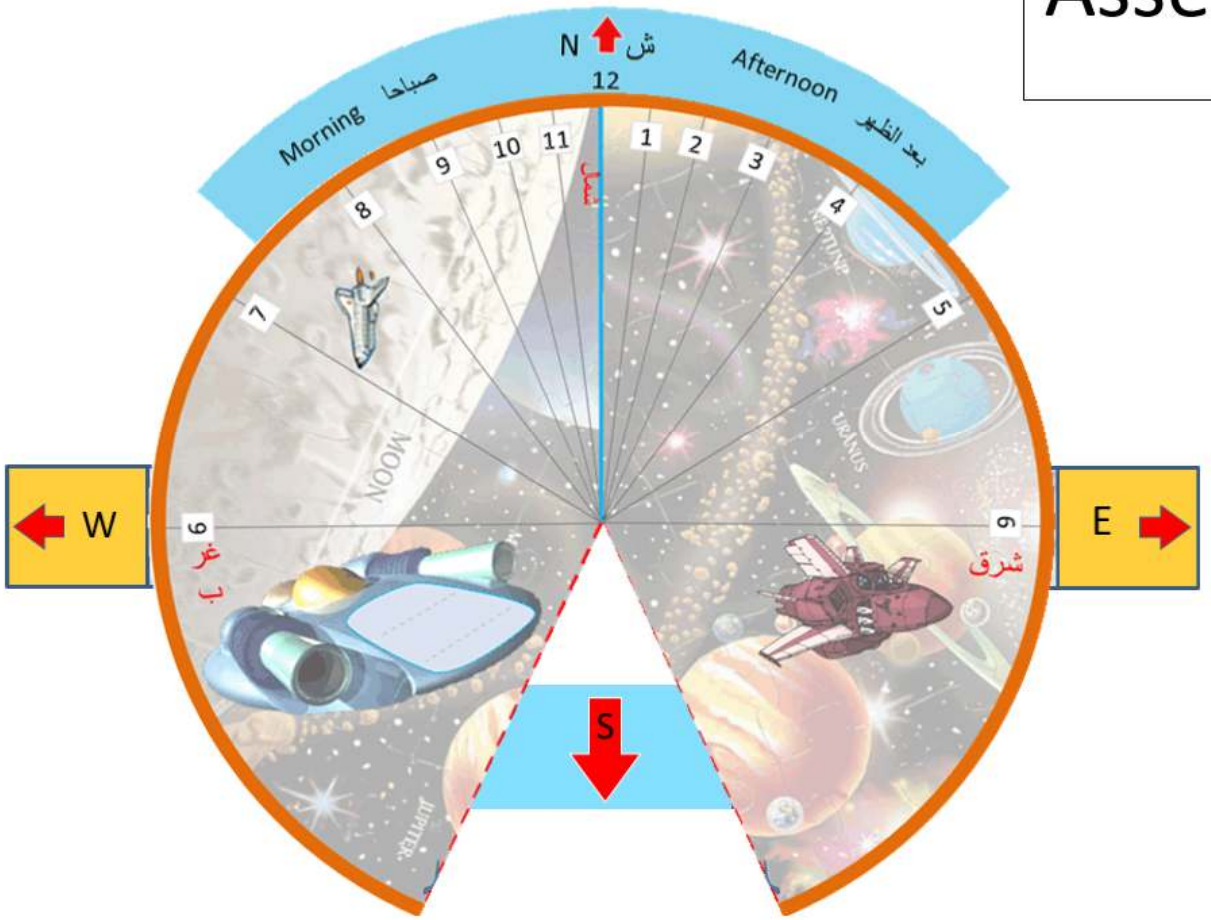
Cut the red line up to the center

1

Assembling


After folding the gnomon, add glue and stick it below the disk
Morning
صباحا
N
ش
12
Afternoon
بعد الظهر
Add glue and stick it below the disk
Add glue and stick it below the disk
W
E
Add glue and stick it below the disk
Add glue and stick it below the disk
S
شمال
شرق
غرب
NOON
MARS
URANUS
JUPITER

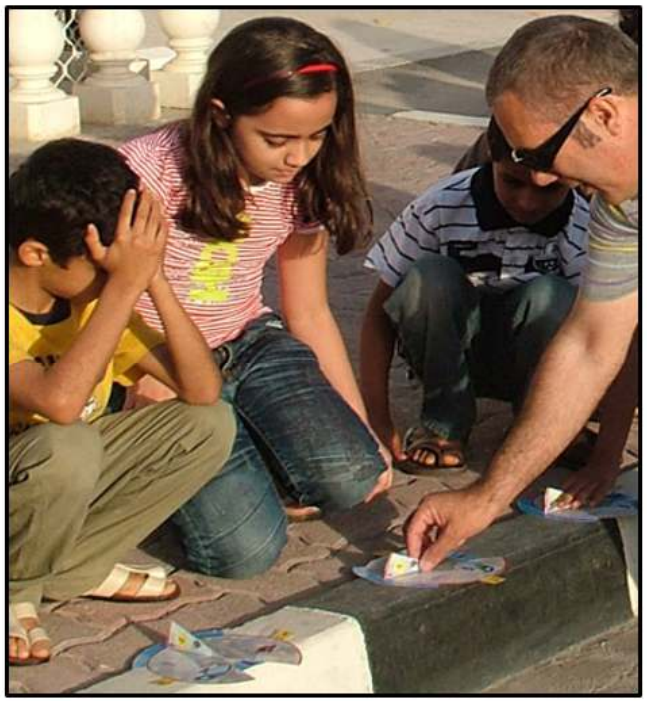
Assembling

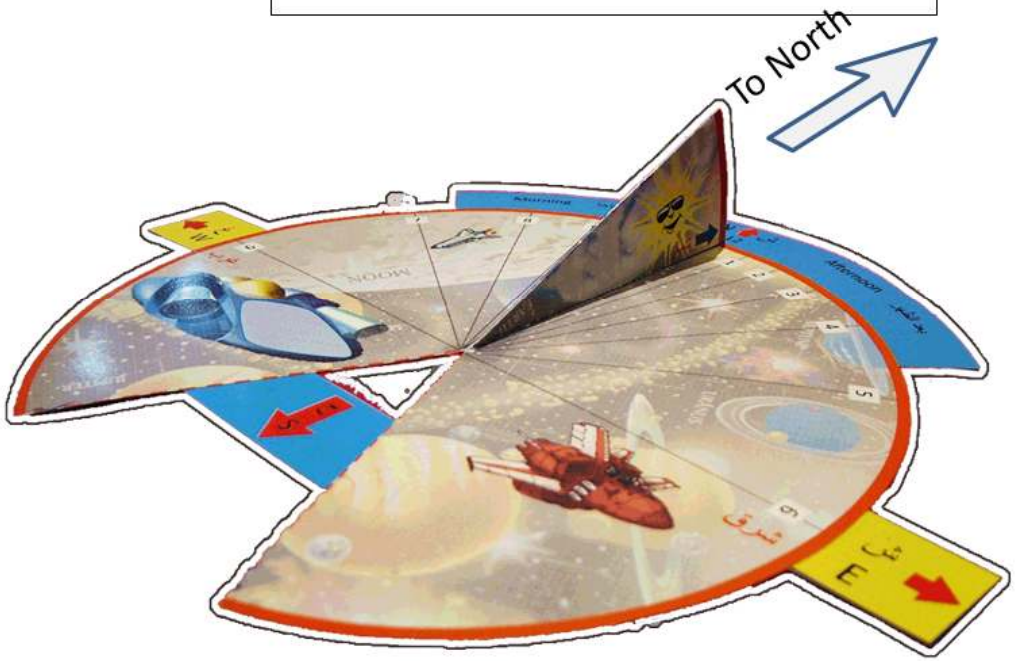

N
ش
Morning
صباحا
Afternoon
بعد الظهر
12
1
2
3
4
5
6
7
8
9
10
11
شمال
W
E
S
غرب
شرق
NOON
MORNING
URANUS
JUPITER

How your sundial will look like

How to read time with your SUNDIAL?

1. Put your sundial on a the floor in a sunny day. Direct the gnomon on the sundial towards north. Now the shadow tells your local time.





2. You also can find north by a reverse use; put the sundial on the floor under the sun at 12 noon and turn your sundial until the shadow disappears, then the gnomon will be directing towards NORTH.

THANKS

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