Bearings on isometric grids

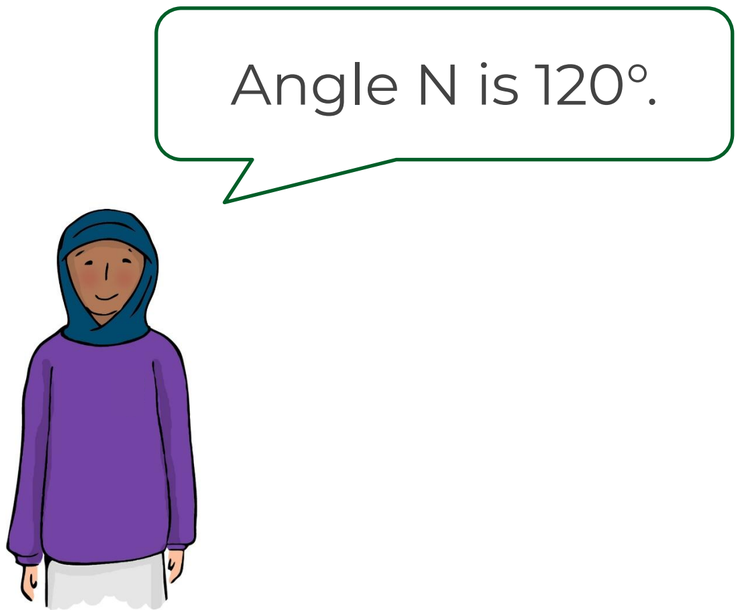
Downloadable Resource

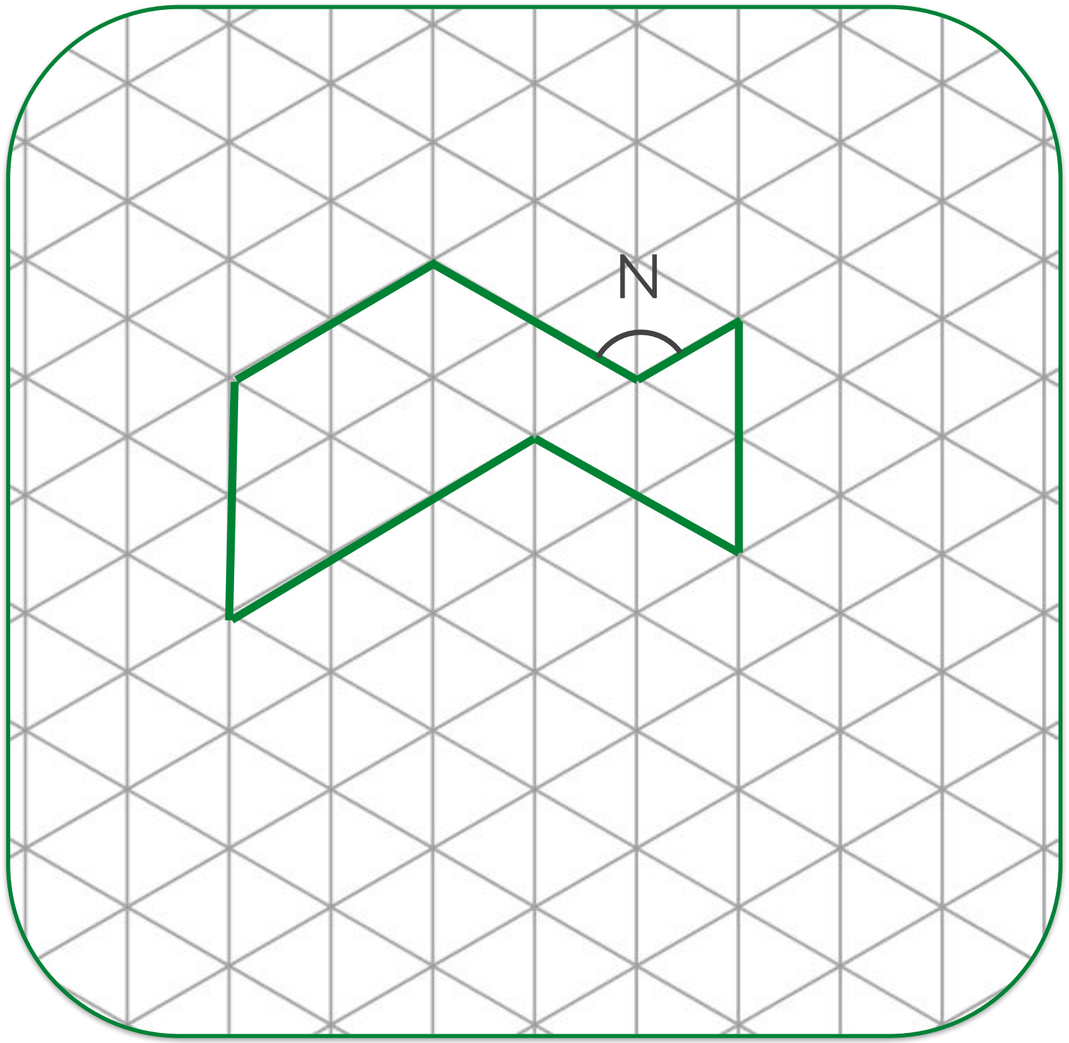
Mr Coward

Try this

Work out as many angles as you can.

Can you find a way to check the sum of the angles?

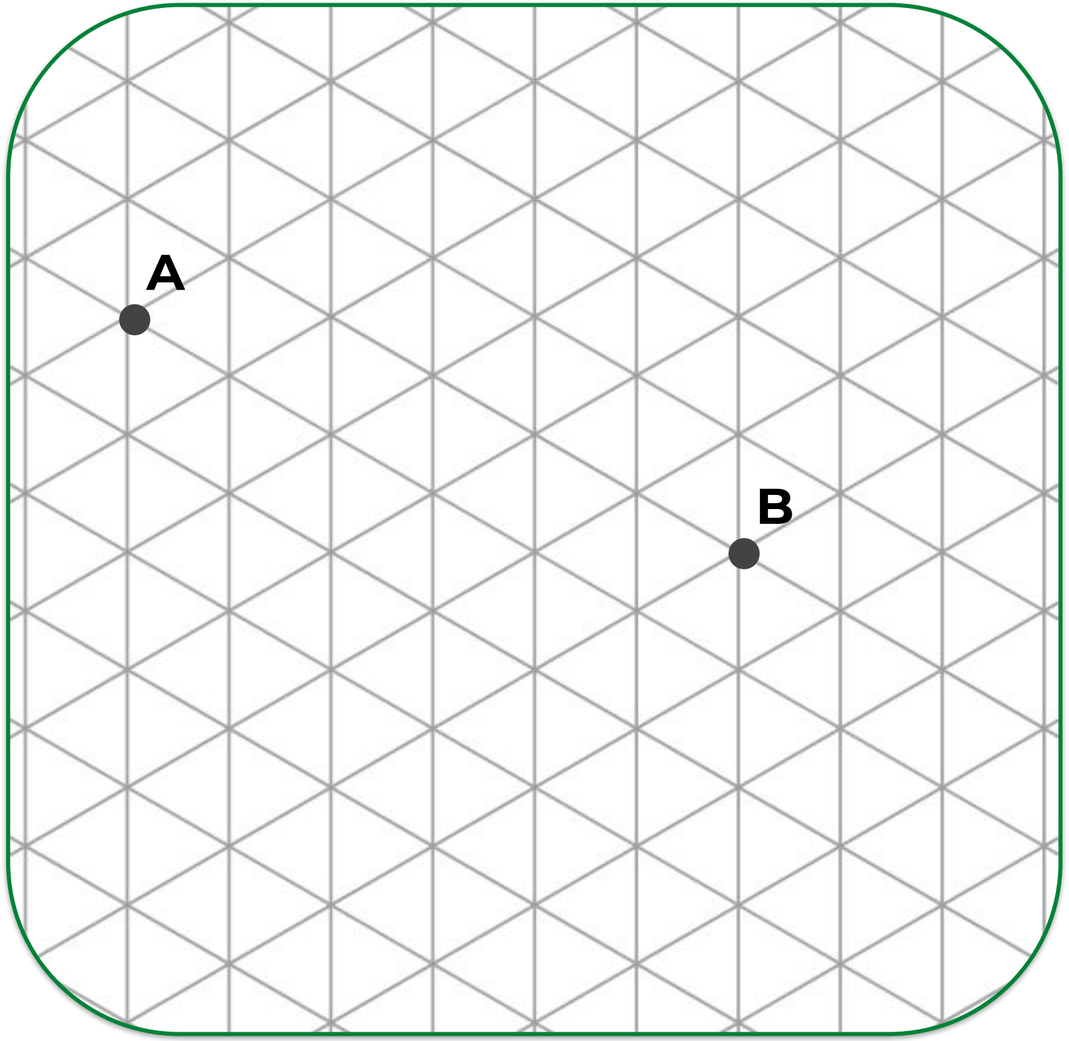




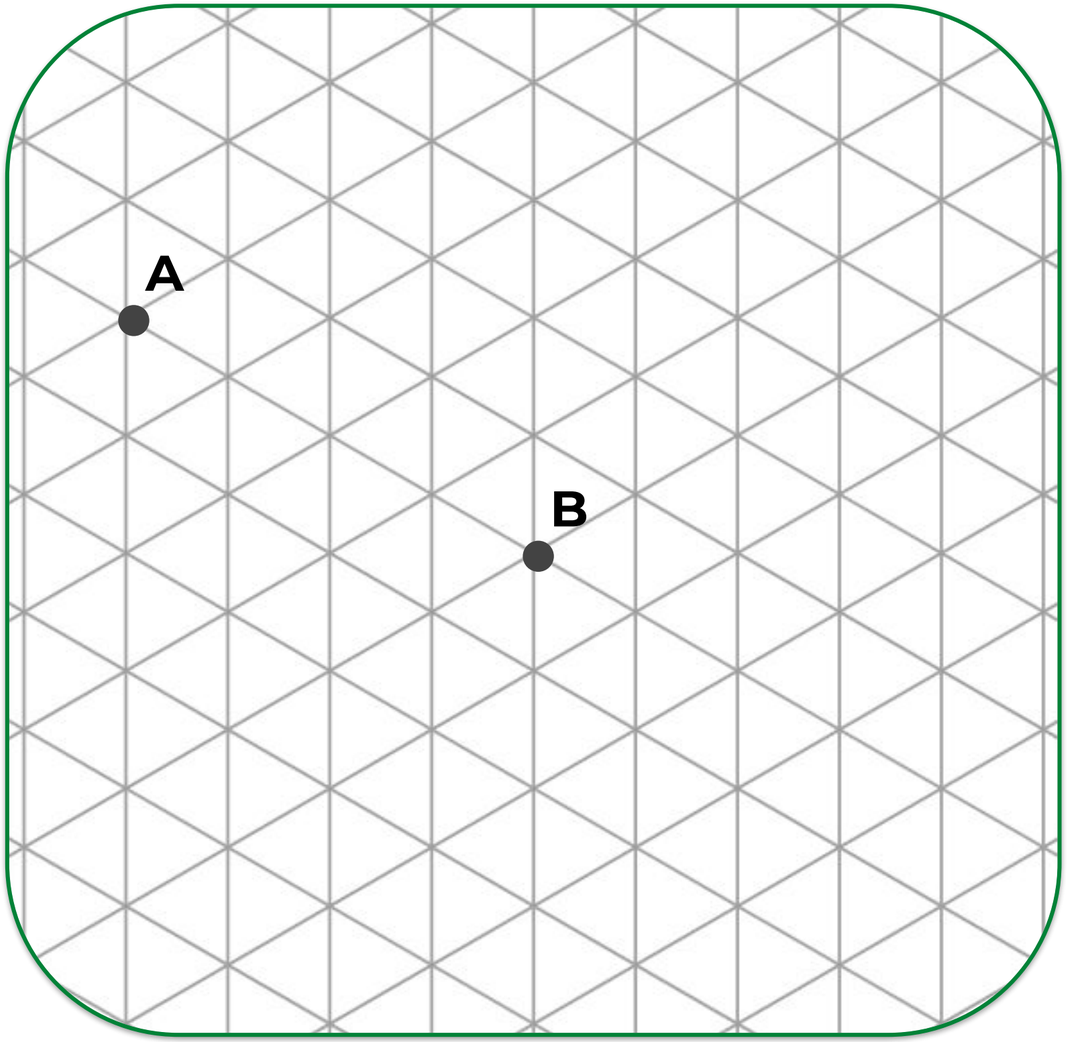
Connect

Make a path from A to B using bearings and steps.

You are only allowed to move along the lines.



Which of these is not a path from A to B?



Option 1

4 steps at a bearing of 180 from A,

4 steps at a bearing of 120

Option 2

4 steps at a bearing of 060 from A,

3 steps at a bearing of 180

Option 3

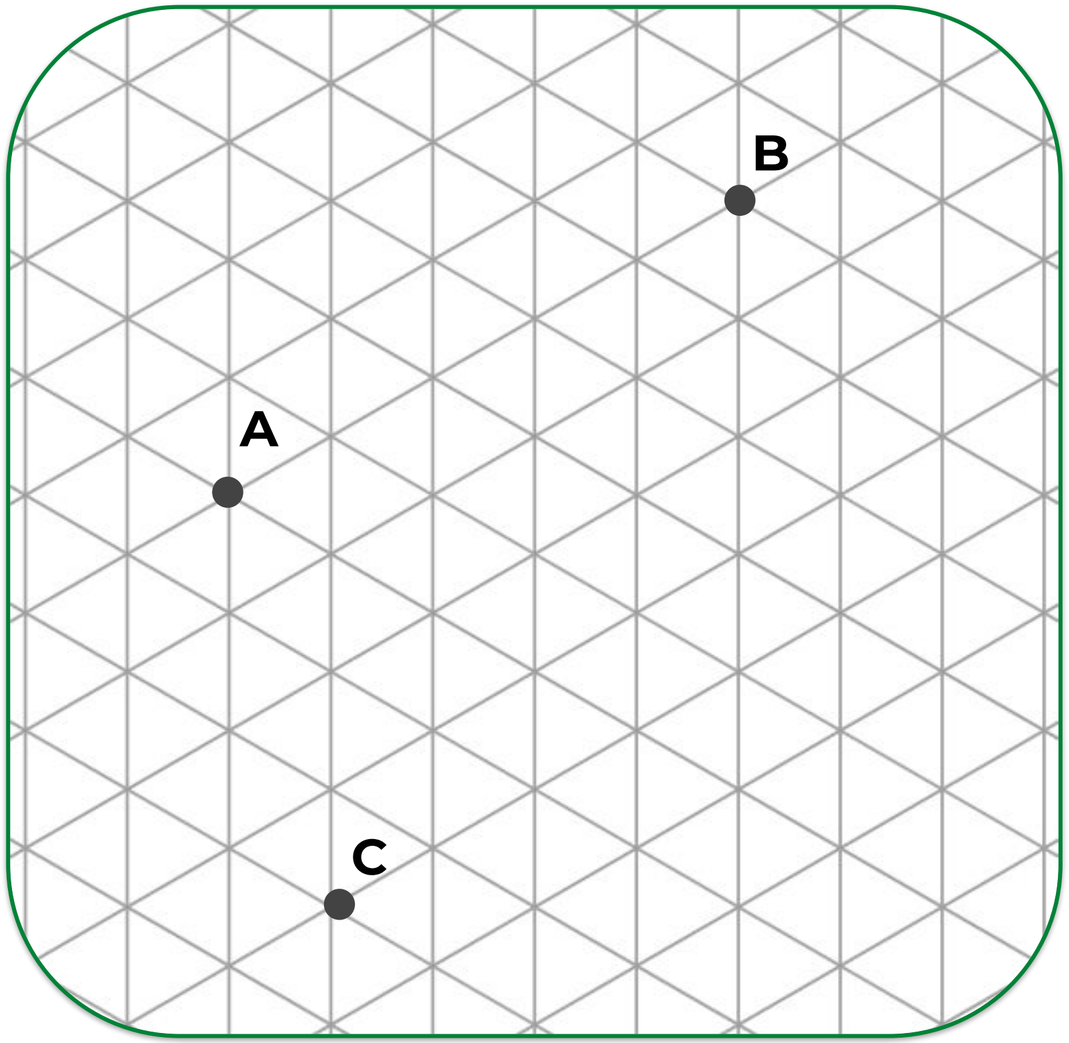
4 steps at a bearing of 120 from A

Independent Task

1) Make three different paths from A to B using bearings and steps.

2) Make three different paths from B to A using bearings and steps.

3) Make three different paths from C to B using bearings and steps.

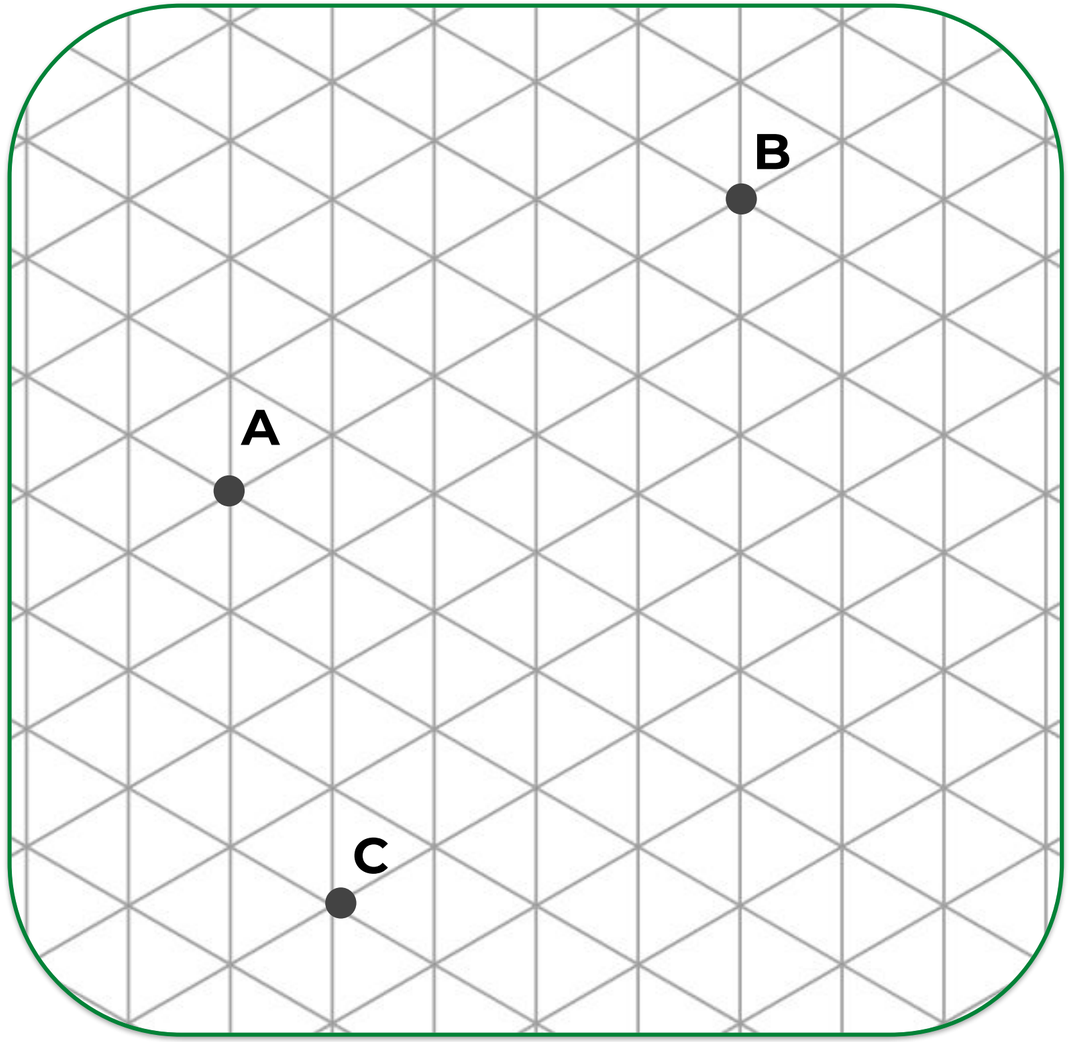


Pause the video to complete your task

Resume once you’re finished

Independent Task

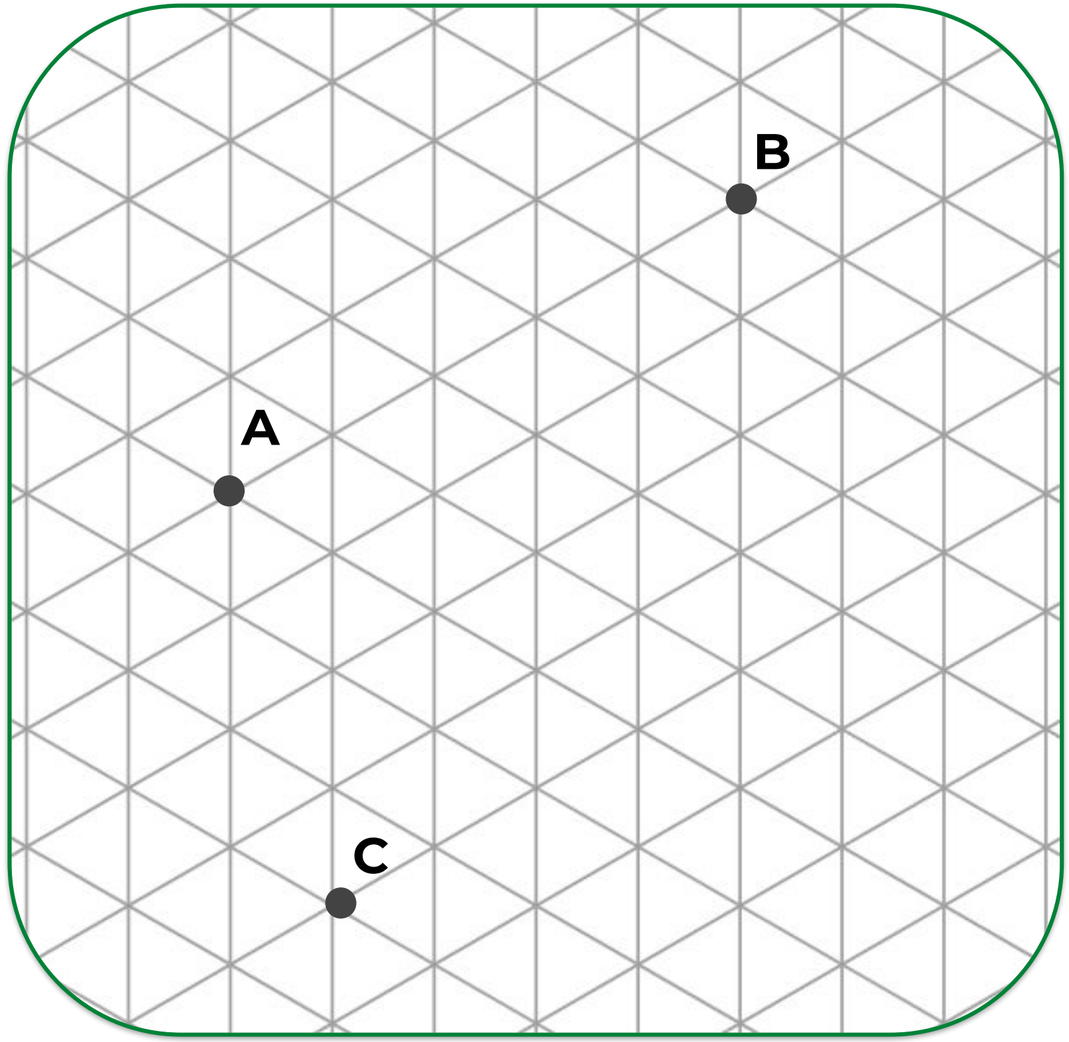
1) Make three different paths from A to B using bearings and steps.
    - 060° five steps
    - 120° two steps, 060° three steps, 000° 2 steps.
2) Make three different paths from B to A using bearings and steps.
    - 240° five steps
    - 180° two steps, 240° three steps, 300° 2 steps.



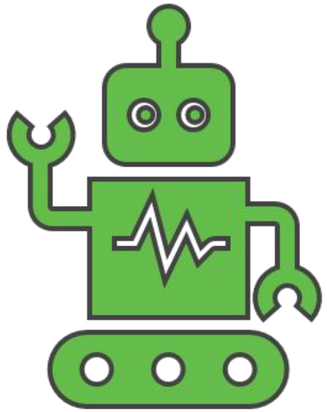
Independent Task

3) Make three different paths from C to B using bearings and steps.

- 000° four steps, 060° four steps
- 060° four steps, 000° four steps



Explore



I start at X

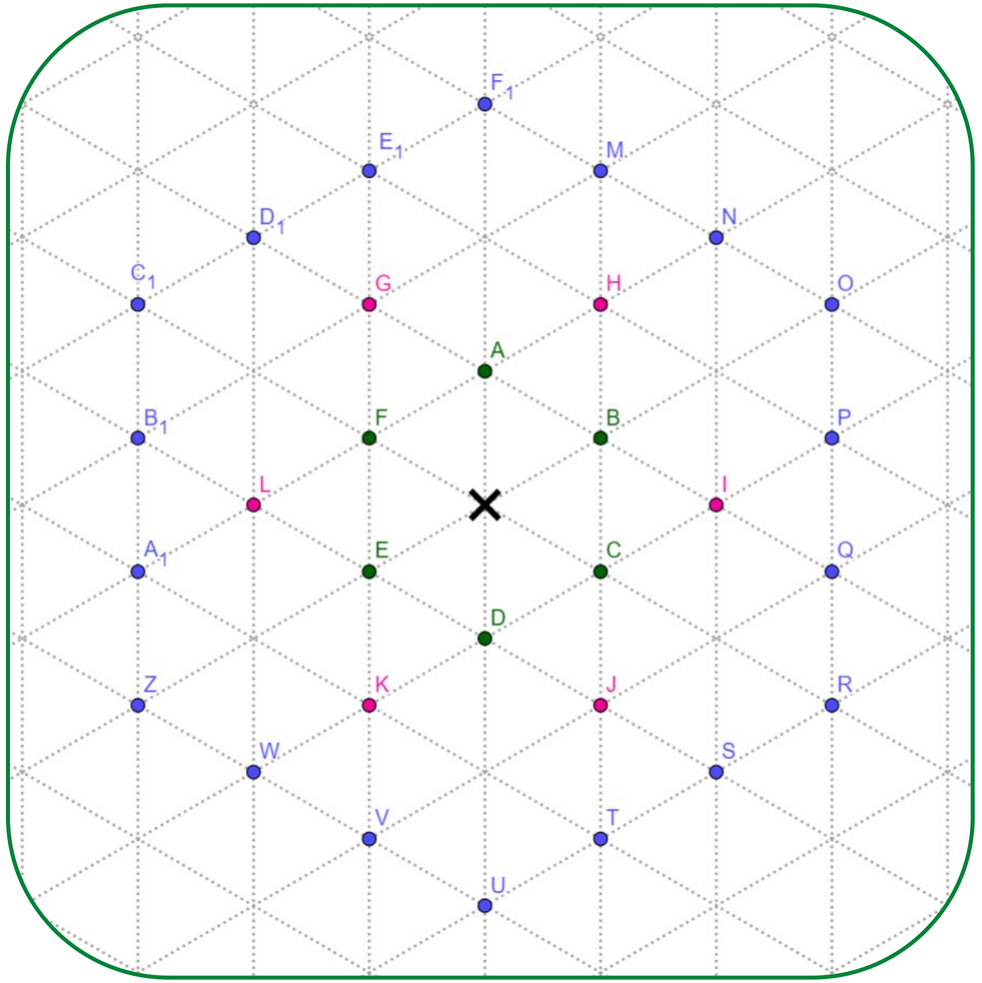
I move on a bearing of _____

for 1 space

Then I move on a bearing of _____

for 2 spaces.

Where am I now?



000°	060°	120°
180°	240°	300°

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