

Light It Up!

On this map you will see five lighthouses.

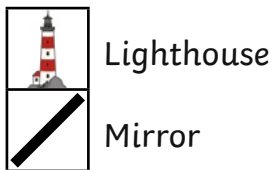
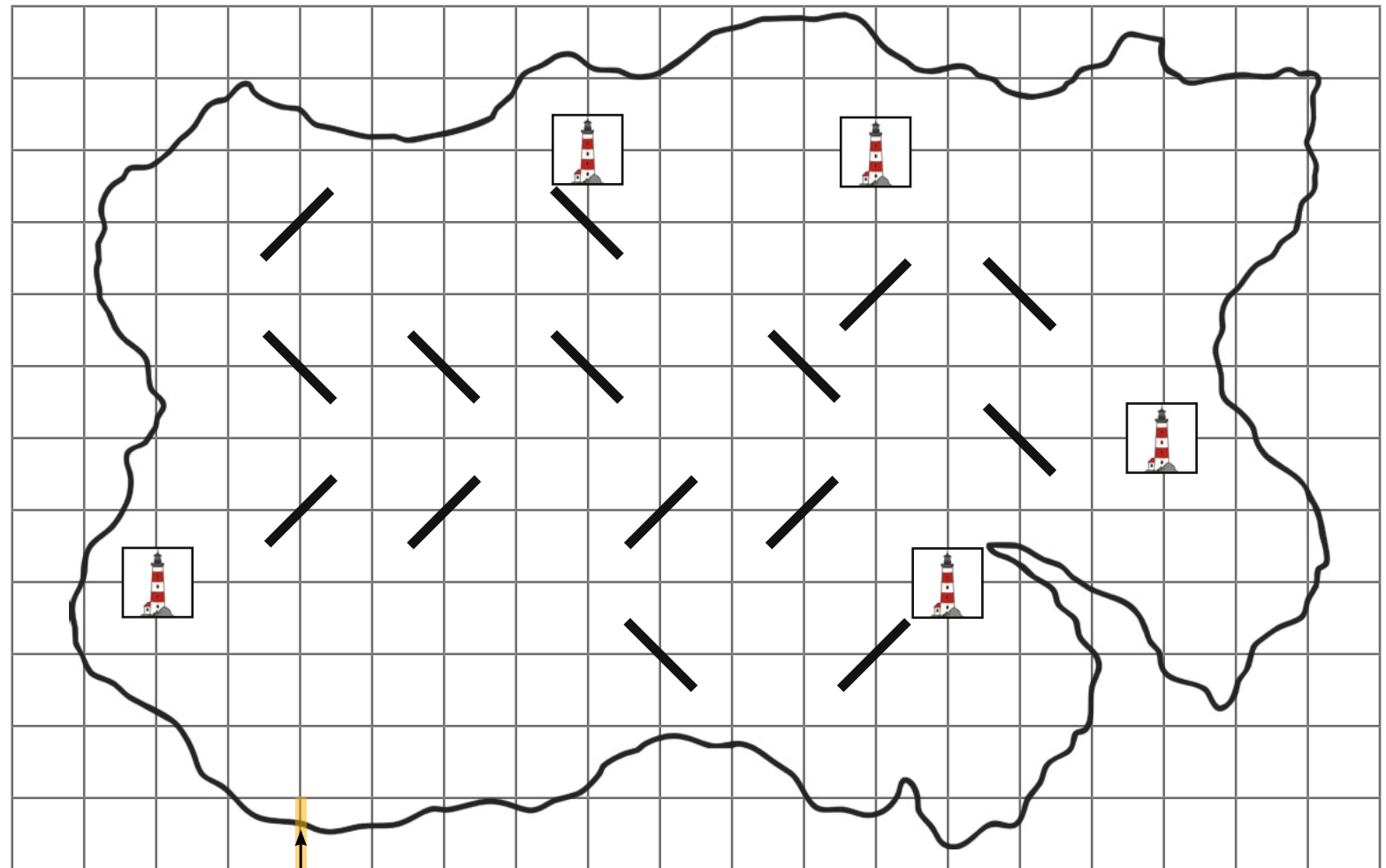
However, only one of them will light up!

Your challenge is to follow the path that the light ray travels from the start point on the map as it reflects off the mirrors positioned on the grid.

Click on the gridlines to show the path the light ray takes as it is reflected off the mirrors.

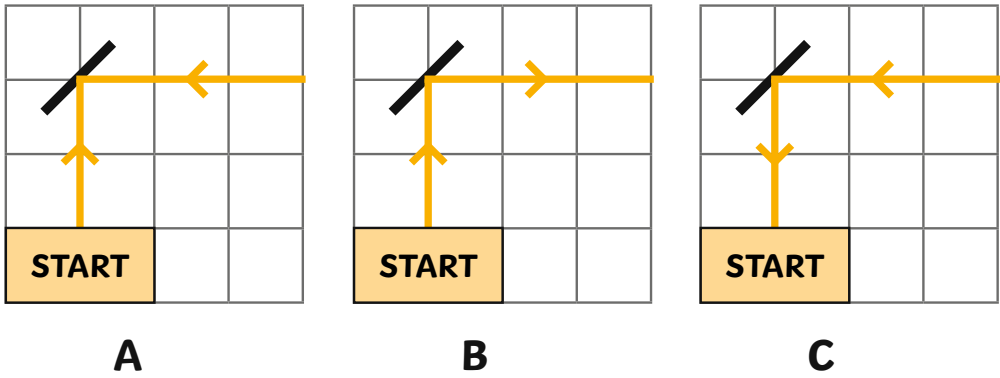
The lighthouse that is hit by the light ray is the one that becomes illuminated!

Once you have found out which one lights up, click on it.



START

1. Which is correct?



Why?

2. Type in the missing words to complete the sentences. Choose the correct words from the box.

We need _____ to be able to see things. Light _____ travel out from a source of light in _____ lines. These lines are known as light _____ or beams of light.

- | | | | |
|-------|-------|----------|--------|
| light | sound | wavy | bright |
| waves | short | straight | rays |
| | | | long |

3. Use the drop down menus to complete the sentences.

An object that makes its own light is known as a _____.

When light bounces off a surface and changes direction, this is called _____.

The law of reflection states that the angle of the incident ray is _____ the angle of the reflected ray.

