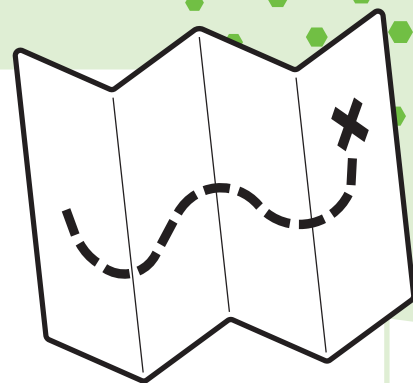


Your limited edition badge booster from the Royal Navy

# Find a friend

**Amazing! Well done on completing Stage 4  
Explore skills builder!**

But what now...? Time to take it further. You've discovered new exploration skills that could help you on your next adventure. Discover how you can find your own location, or someone else's, without using technology.



## Note to leader

This is an extra activity sheet for your girls to complete at home. We hope this will inspire great adventures in the future.

## Your challenge

Could you find someone if they were lost? If you have a GPS or phone, you might think that's easy. But what if you had no technology to help? Would you look at a road sign or a map? What about if you were lost at sea? Discover how to use transits and cross transits to find your way.

## What to do

Oh no! Your friend's boat has stopped working and they need your help! However, your phone and boat navigational equipment isn't working. Your friend tells you what they can see around them over the boat's radio. Can you use this information to find them?

Read the information about transit lines and then use the map and location information on the next page to help the coastguard pinpoint your lost friend's boat.

## Transit lines

- 1 A transit line is formed when two fixed landmarks are lined up when you look at them. These are often used to help guide sailors safely into ports. To make a transit line, on a map you'd draw a line between and past these two landmarks.
- 2 Your friend is unable to use any technology to find her position, but she can rely on using a transit line to give her a rough location. Creating a second transit line will help find your friend's location more accurately. This is known as a cross-transit line.

Your friend's location will be where the two lines meet.



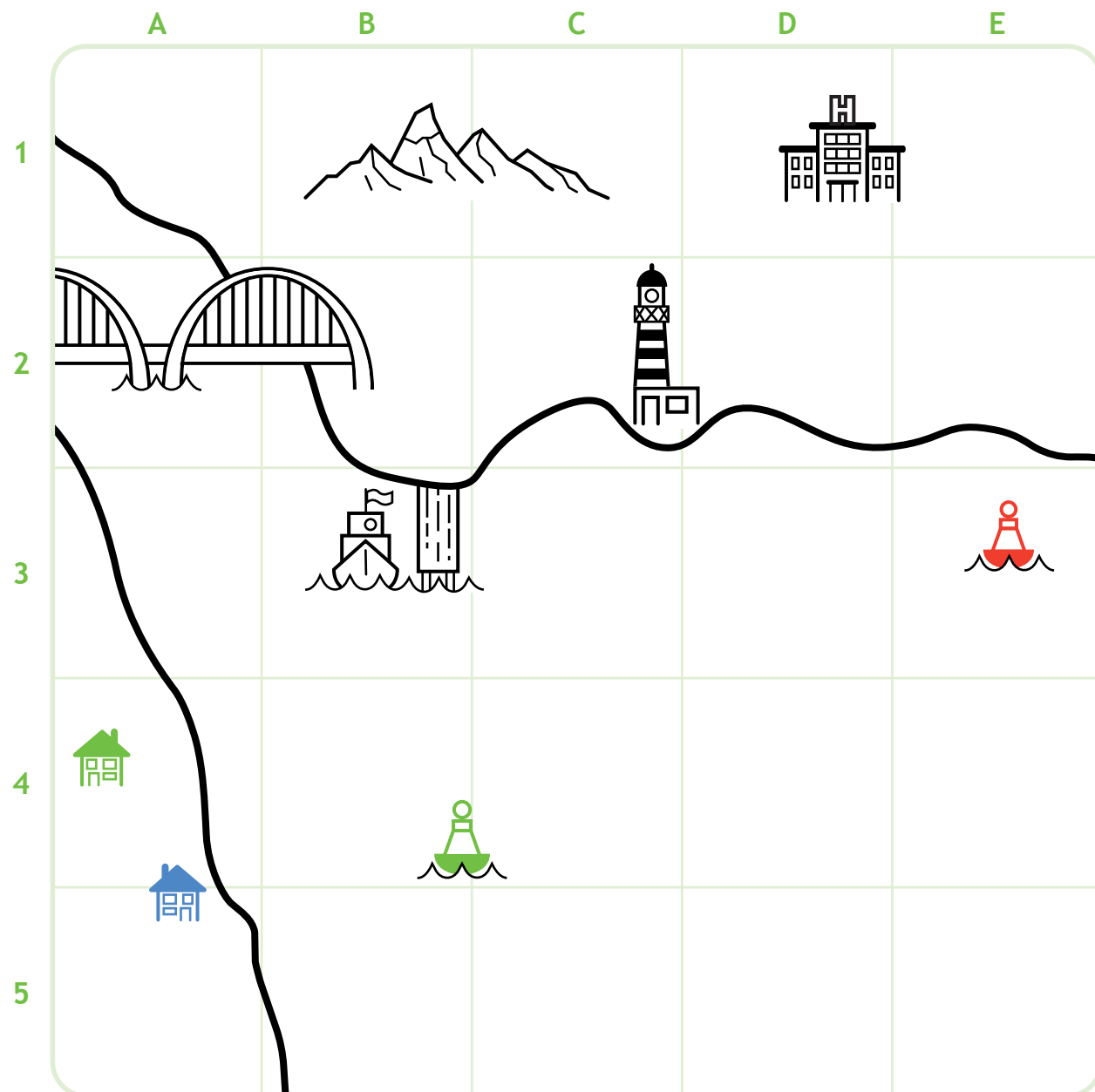
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WE DISCOVER, WE GROW

**Girlguiding**

Draw transit lines on the map below to find your friend's boat and to mark your location.



Answer: Your friend is in 4E and you're in 4A.

### Location information

Your friend can see the tip of the tallest mountain behind the lighthouse. They can also see that the green buoy is directly in front of the blue house. Once you've figured out where she is, let the coastguard know by marking a red cross on your map.

The coastguard also wants to know your location. You can see that the green house is in front of the blue house and that the dock and the light house line up. Where are you?

### Map key



### Stay safe

Before you go on an adventure make sure you have all the correct equipment and know how to use it. Share your plans with a trusted adult.