



# Form 6 Geography Revision

## November Exams



### What you will be tested on in the exam:

- **Location Knowledge** – There will be one map to answer questions about. This will include labelling places on the map. The map is **The UK**.
- **Ordnance Survey (OS) Map Skills** – You will be given an OS map and will be asked questions about direction, distance, symbols and grid references using the map.
- The **key words and definitions** of some of the key things we have studied.
- **The Oceans** - You will need to be able to label a map of the **main oceans and seas** around the world.
- You will need to be label a diagram of the **layers of the ocean**.
- **Plastic Pollution** – You will be asked what this is and how it damages the oceans.

### Key words and definitions

**Toxins**– poisonous substances.

**Landfill site** – Rubbish sites where refuse is buried underground.

**Fossil Fuels** – Coal, oil and gas used to power factories, cars and homes.

**Versatile** – Can be used in lots of different ways.

**Decompose**– Rot, decay, breakdown.

**Abyss** – the deepest part of the ocean (up to 11km).

We have completed all these geography topics in class. **Everything you need to know is included here.** You may use other sources of information but there is no requirement to. **Good luck, try your best and don't worry!!!**

## The World's Largest Oceans and Seas Answers



**You will need to be able to label a world map of the oceans and seas above.**

# Location Knowledge

You will need to be able to locate both **physical** and **human features** on a map of the **UK**.

## Oceans and Seas

- North Atlantic Ocean
- North Sea
- English Channel
- Irish Sea

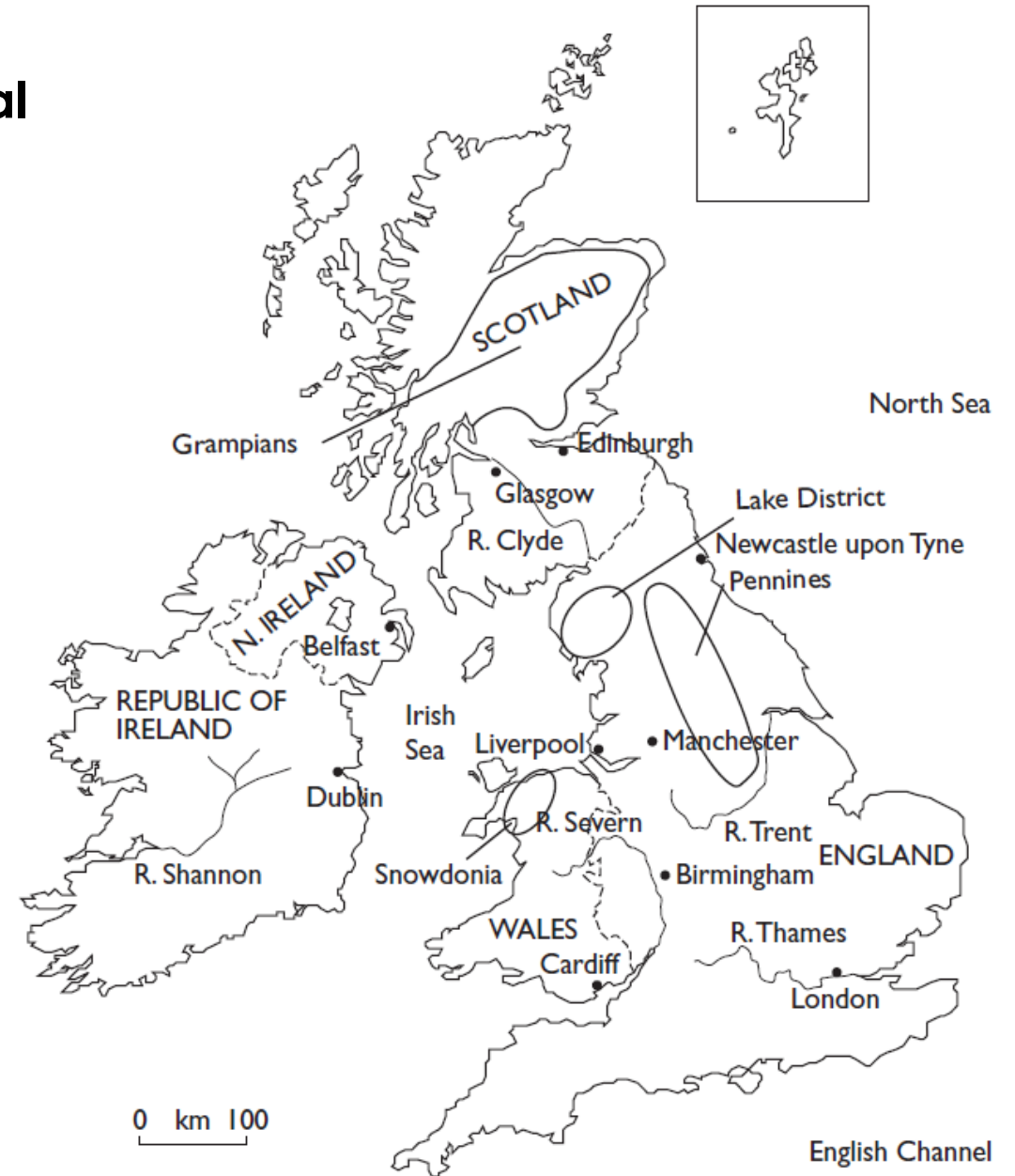
## Islands

- Isle of Wight
- Isle of Man
- Shetland Isles
- Orkney Isles

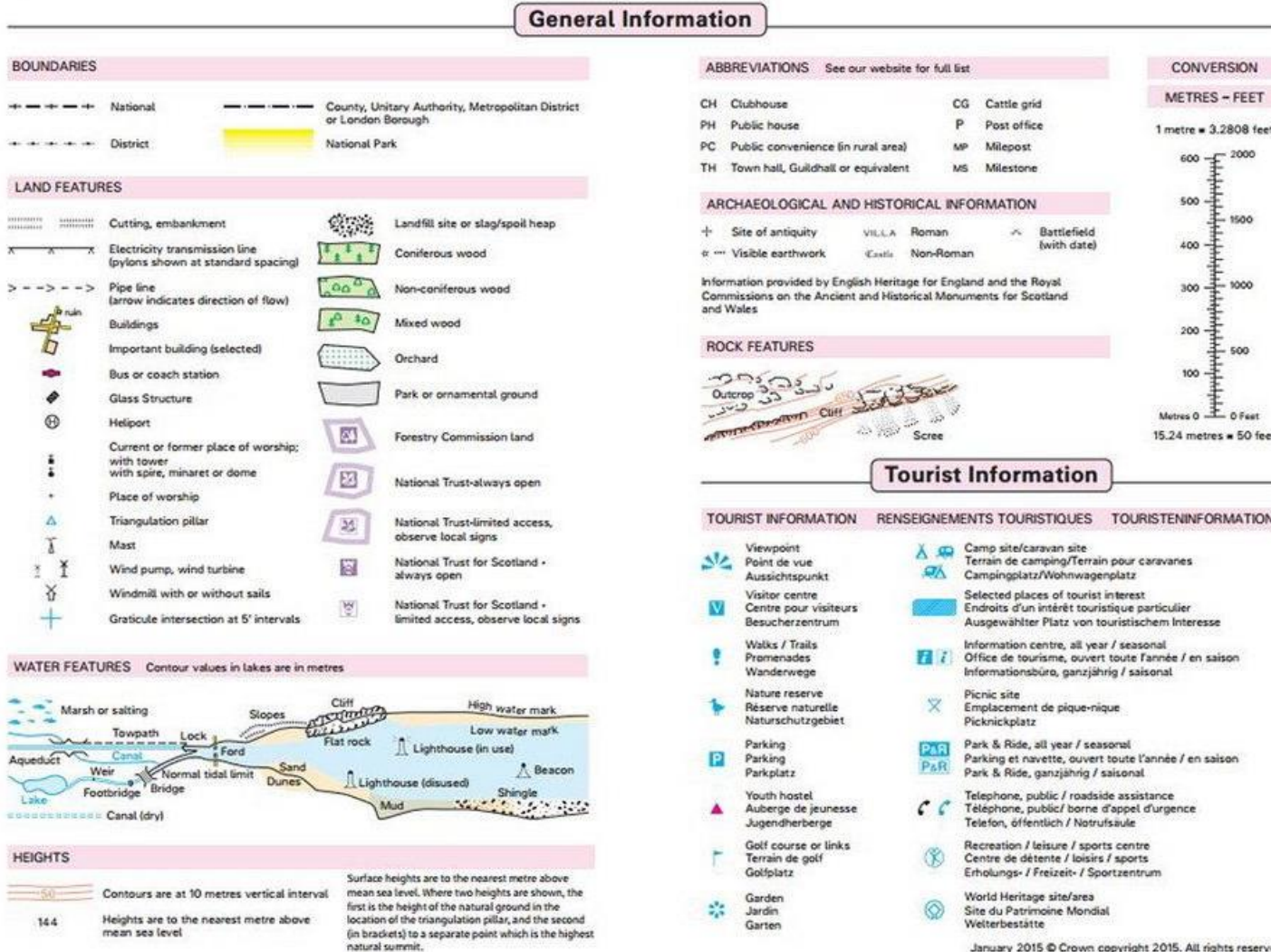
## Upland areas

- Lake District
- Pennines
- Grampians

## Major cities of the UK



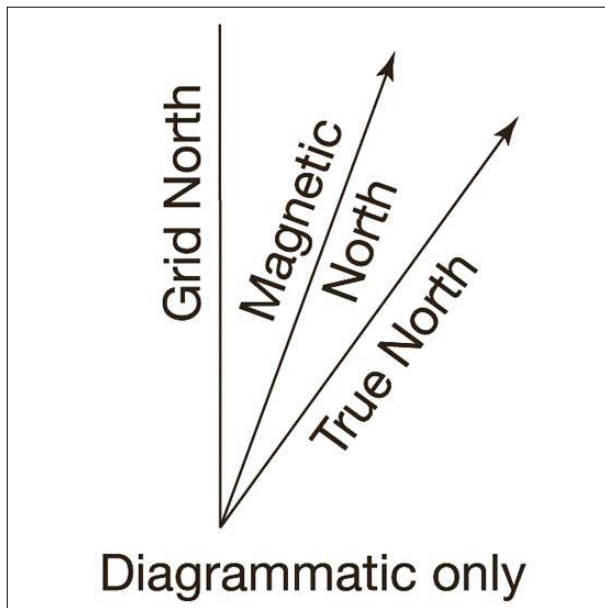
# Ordnance Survey Map Work



You need to be able to;

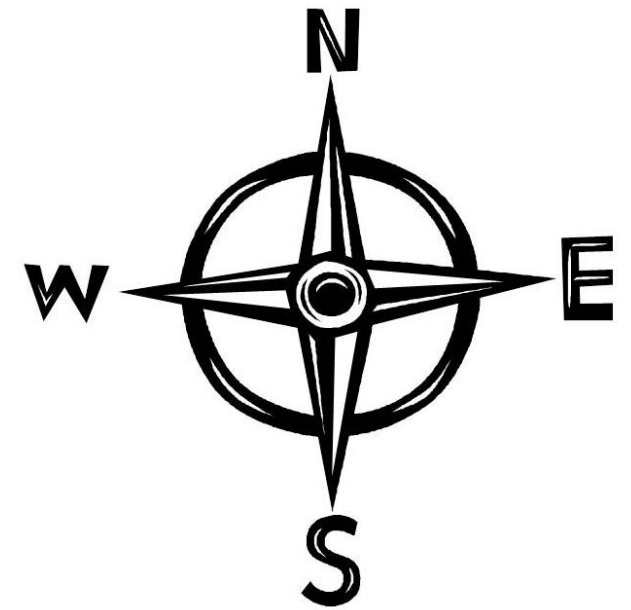
- Identify **major transport routes**: A roads, B roads, Motorways, train lines.
- Identify features using **6 figure grid** references.
- Identify grid squares using **4 figure grid** references.
- Work out **direction**.
- Use the **symbols** in key to identify features on the map.
- Work out, by looking at **contour lines**, how high the land is.
- Measure **distance** (straight line and actual distance).





# Which direction?

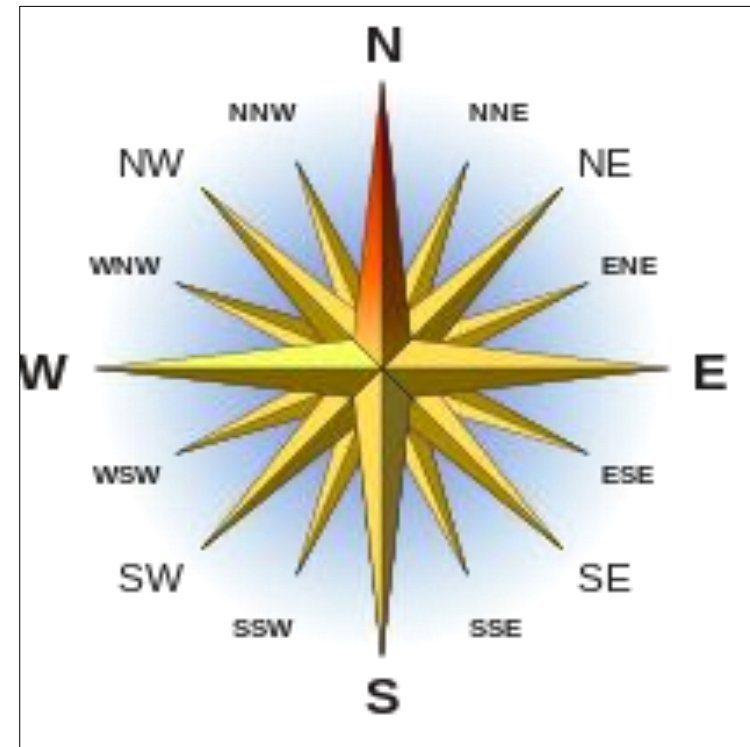
On the OS map you will see the symbol on the left. You should use Grid North as the starting point to working out the direction of a place.



You will usually only need to give a compass direction as a **general direction** and you will **not** need to use degrees.

You should give the direction in two points e.g. NE or SW.

You will not need to be too detailed so don't use NNE, WNW etc.

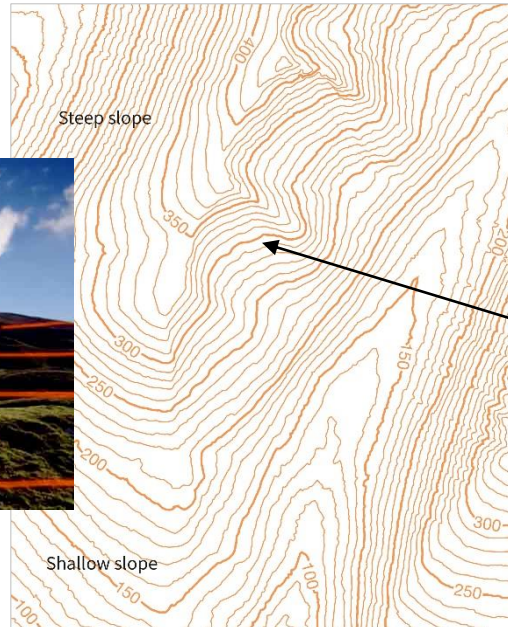
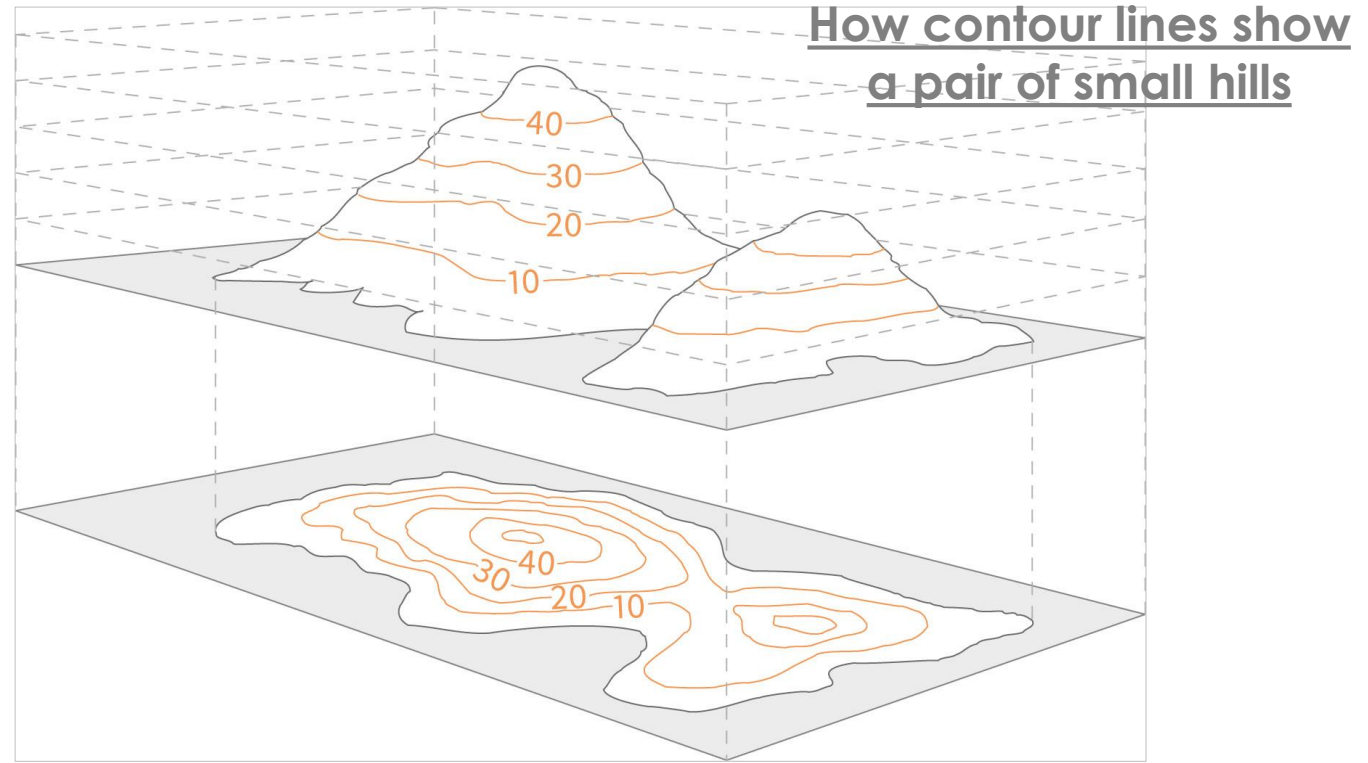


# Contour Lines

Hills, slopes and mountains are represented on a map using contour lines. By studying the contour lines you can work out lots about the surrounding terrain including gradients of hills, valleys and steepness of climbs.

## How are hills and mountains shown on a map?

A contour is a line drawn on a map that joins points of equal height above sea level. For 1:25 000 scale maps the interval between contours is usually 5 metres, although in mountainous regions it may be 10 metres.



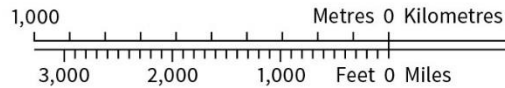
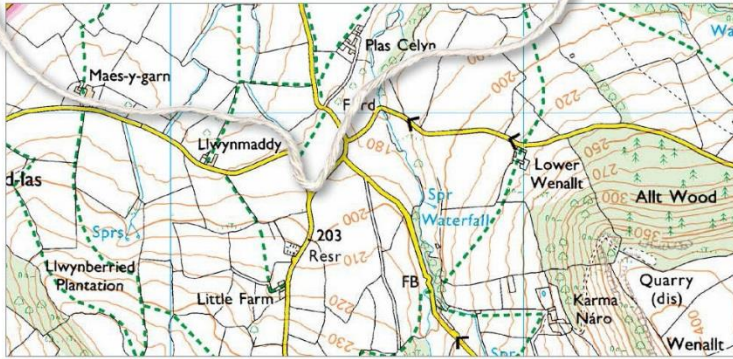
You can see from the picture above the link between the shape of a hill and the contours representing it on a map. Another way of thinking about contour lines is as a tide mark left by the sea as the tide goes out, leaving a line every 5 metres.

**Top tip!** Remember contour numbering reads up hill – in other words the top of the number is uphill and the bottom is downhill. Also remember the closer contour lines are together, the steeper the slope.

# Measuring Distance on an OS Map

You can measure **straight line distances** on a map with a ruler.

To measure **actual distances** from one place to another you can use a piece of string or a strip of paper.

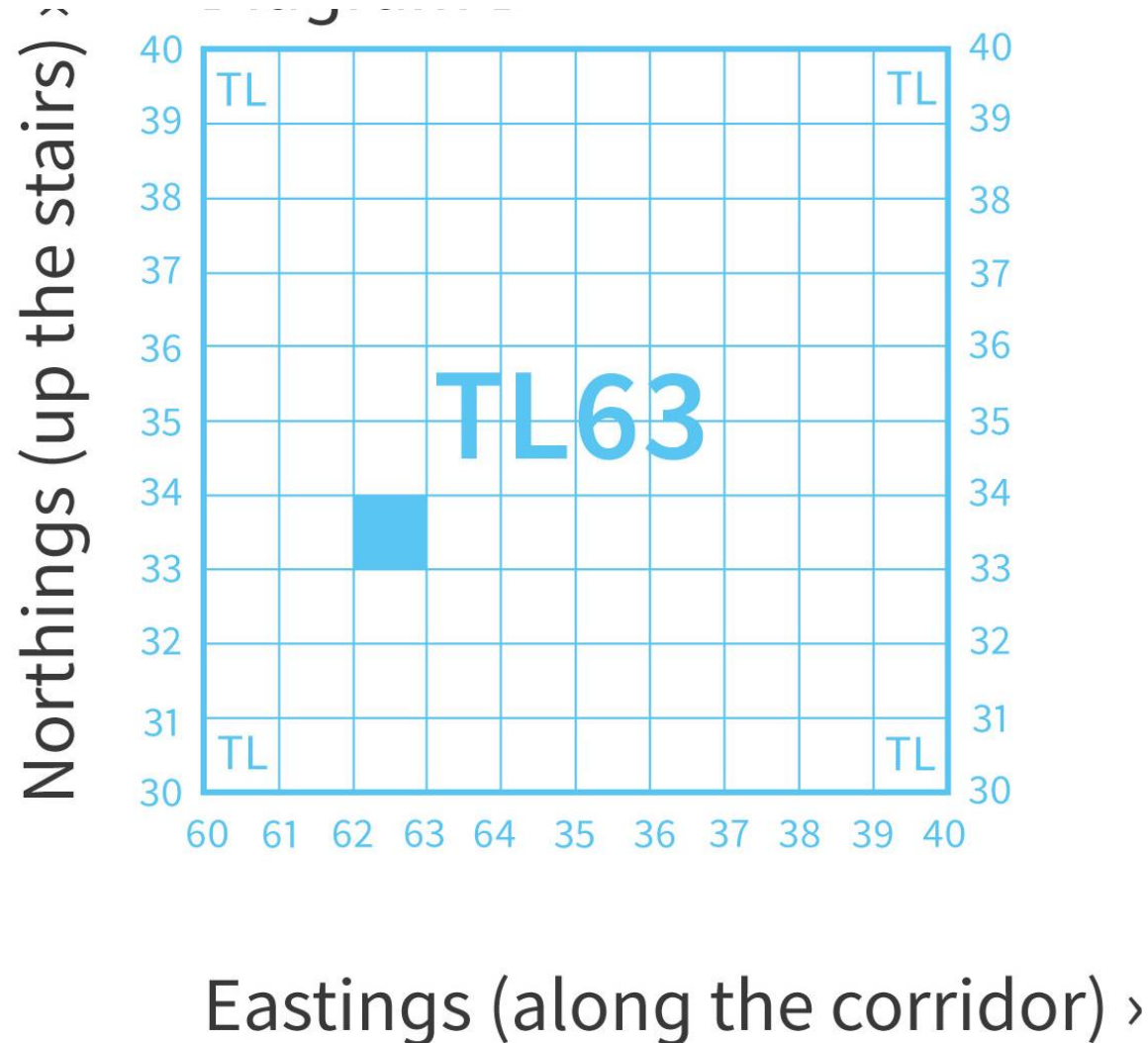


1. Take a strip of paper and place the corner edge on your starting point.
2. Move the paper until the edge follows the route you want to take.
3. Every time the route changes make a small mark on the paper.
4. Repeat this process until you reach your destination.
5. You will be left with a series of marks on your paper.
6. Now place the paper on the scale bar and measure the total distance.





# Grid References

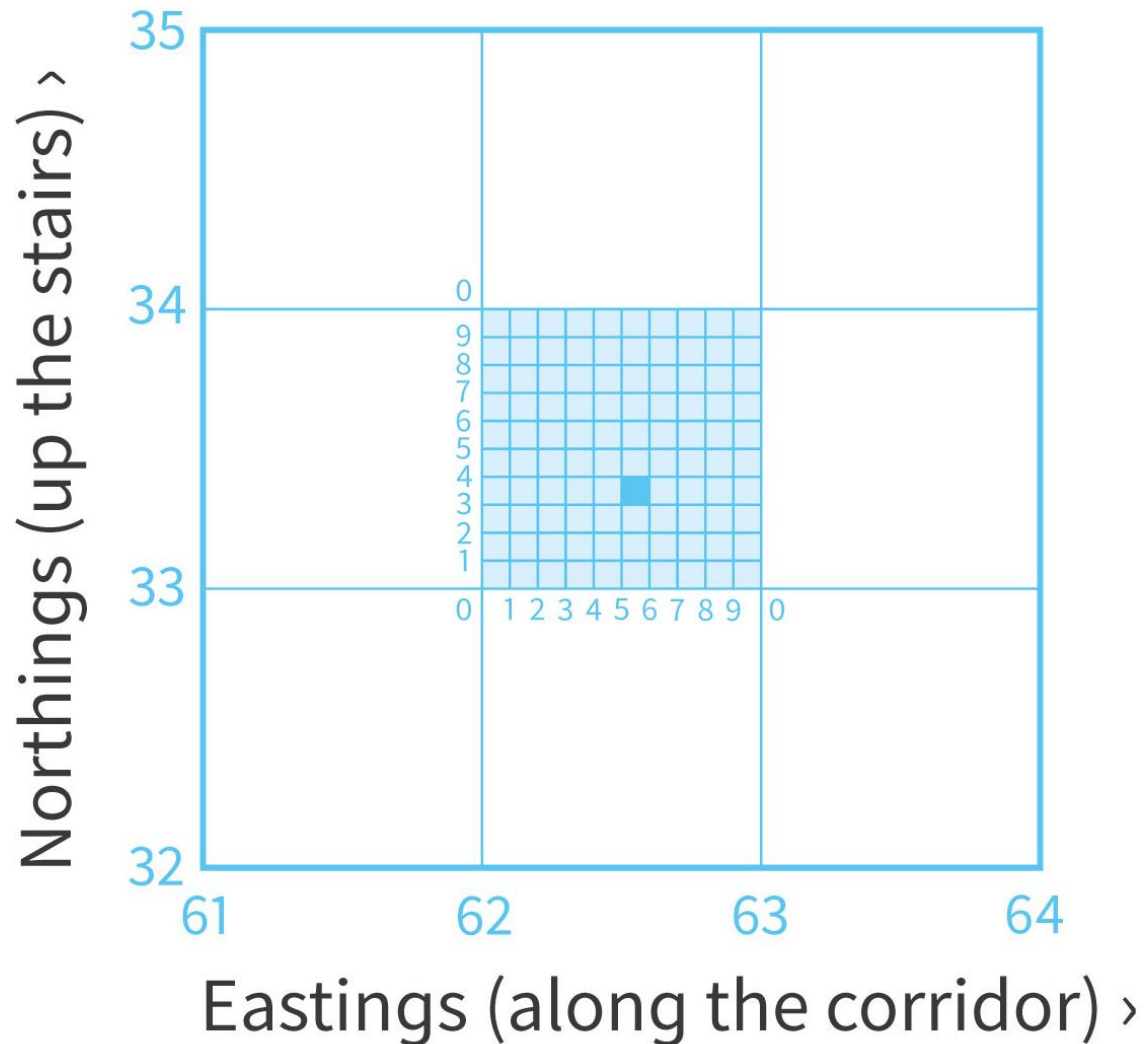


It is easy to find a particular place using a grid reference.

- To start, a four-figure grid reference is a handy way of identifying any square on a map.
- Grid references are easy if you can remember that you always have to go **along the corridor** before you go **up the stairs**.
- To find the number of a square first use the eastings to go along the corridor until you come to the bottom left-hand corner of the square you want.
- Write this two-figure number down.
- Then use the northing to go up the stairs until you find the same corner.
- Put this two-figure number after your first one and you now have the four-figure grid reference, which looks like the example in diagram: **6233**.



## 6 figure Grid References



- If you want to pinpoint a more exact place on a map, such as your own house, you will need to use a **six-figure grid reference**.
- First find the four-figure grid reference for the square and write it down with a space after each set of numbers, like this: **62\_33\_**
- Now imagine this square is divided up into 100 tiny squares with 10 squares along each side.
- Still remembering to go along the corridor and up the stairs, work out the extra numbers you need and put them into your four-figure grid reference like this in diagram E: **625 333**.

When people think about plastic, they may think of lots of everyday items that make our lives easier: **food wrappers, toys, gadgets and even the pipes that carry water to and from our homes.** In fact, plastic is so popular in the UK today that it is hard to imagine life without it. However, while plastic makes human lives easier, it makes the lives of Britain's wildlife much harder. It could be putting the existence of some of our much-loved creatures in danger.

## Plastic and the Environment

There are many different ways that plastic can enter the environment:

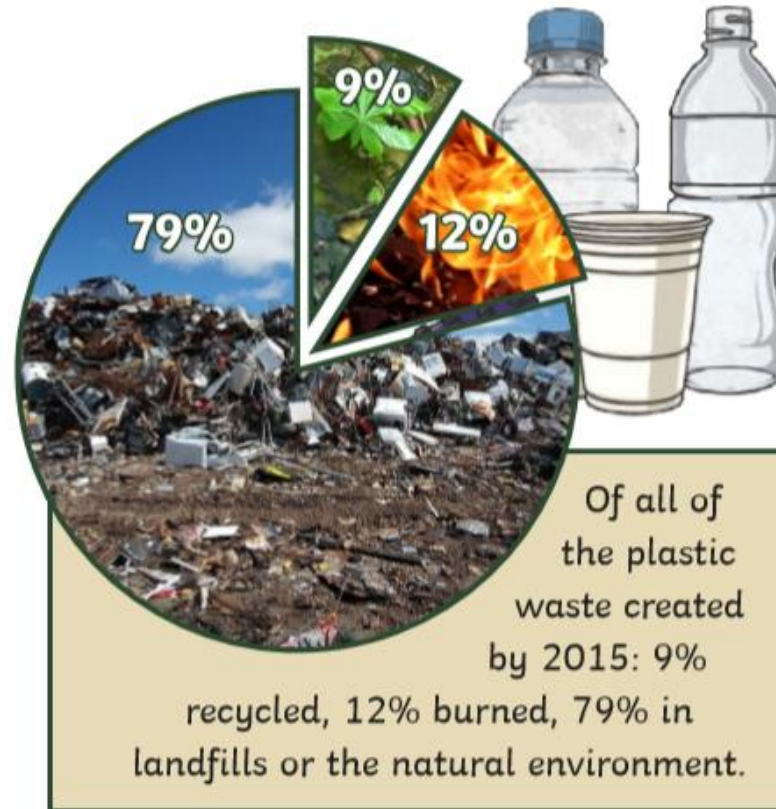
- **litter;**
- **washed down drains;**
- **spilled by ships;**
- **escaped from factories;**
- **blown out of bins;**
- **abandoned by humans.**

So much plastic enters the environment each year that it can be found in fresh water, soil, air and oceans around the world.

# Plastic Pollution





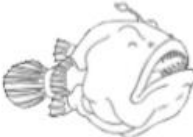



160,000 plastic bags are used around the world every second.

8 out of 10 pieces of plastic made over the last 70 years have been thrown away.



The Problem with Plastic Unlike paper, fruit peel or fabric, most types of plastic that end up in the local environment will **not break down over time**. The plastic will simply stay where it is **forever** unless it is moved by humans or eaten, by mistake, by wildlife. A huge problem with plastic is the **chemicals it contains**. Over time, pieces of plastic litter will **break into smaller pieces**. These smaller pieces are **often eaten by wildlife** that think that it's food. Scarily, these tiny pieces of plastic contain **poisonous chemicals and heavy metals that can kill wildlife**. The chemicals make their way into the **food chain** and do not just affect the creature who ate the plastic but also affect any animal that then consumes them.

# Layers of the Ocean

<b>Sunlight Zone</b> Sunlight allows plants to grow so plant feeders are found as well as fast swimming hunters. Fish tend to be sleek bodied and muscly so they can catch their prey.	 <b>Dolphin</b> (Warm blooded mammal that sometimes comes up for air)	 <b>Salmon</b> (Speedy fish that lives in salt and fresh water)
<b>Twilight Zone</b> Due to lack of sunlight no plants grow here. Some creatures feed by filtering the water whilst others will graze. Others creatures hunt and some will do this at speed.	 <b>Sea Cucumber</b> (Many tentacled creature that crawls along the sea floor to find food)	 <b>Octopus</b> (8 legged creatures that searches and hunts for prey)
<b>Midnight Zone</b> There is no light here, so most creatures have tiny eyes. Creatures often create their own light, to lure their prey and act as a defense. Other hunters 'sit and wait'. Creatures tend to be slimy and slow moving.	 <b>Angler fish</b> (Fish with light up bulb hanging in front of its face to attract prey)	 <b>Viper Fish</b> (Waits for its prey to be lured by its glow)
<b>The Abyss</b> There is no light whatsoever, so often creatures will not have eyes and are sometimes transparent. They are likely to be small due to the pressure of the water above. Creatures tend to move little, have very low metabolic rates and feed on dead matter from above.	 <b>Basket Star</b> (Starfish with tree like appearance that catches food matter in its net)	 <b>Amphipod</b> (See-through eyeless shrimp)

