

Compass Points



twinkl

Aim

To recognise and use the points of a compass.

Success Criteria

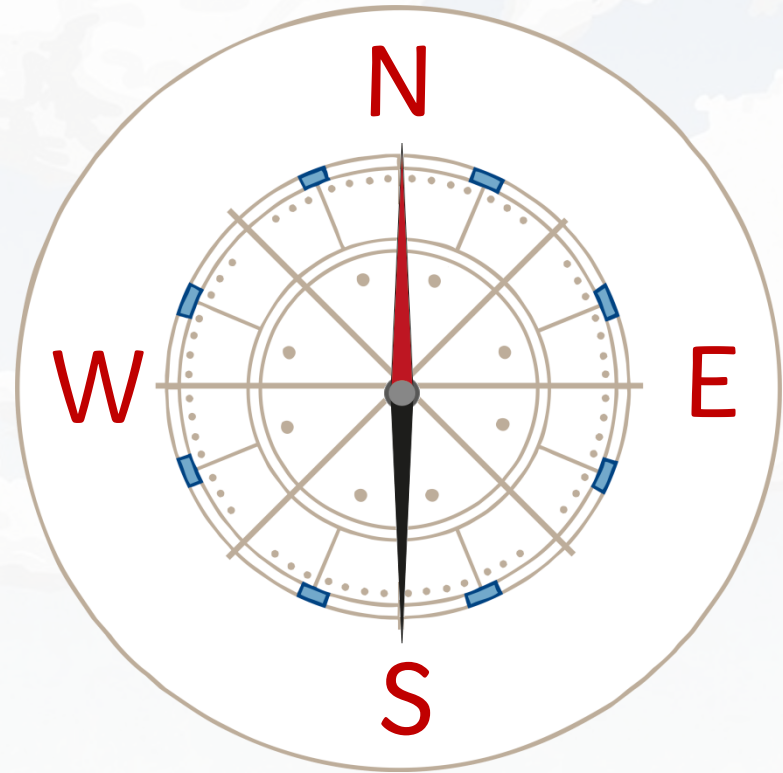
- I can use the compass points to give directions.
- I can follow directions given using compass points.

The Four Cardinal Points of a Compass

We use compass points to describe position and direction.

There are four main (cardinal) points of the compass:

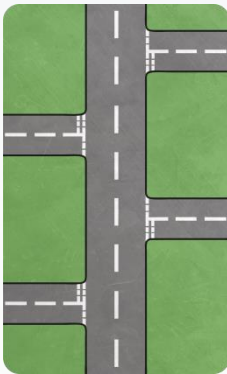
North, South, East and West.



Using the Four Cardinal Points

Each quarter turn brings you to a new compass point.

If I am facing North and turn 90° clockwise, I will be facing East.

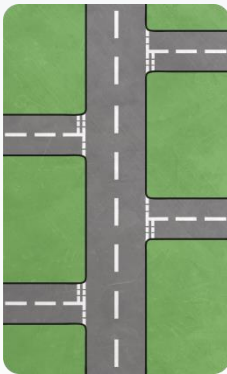


East

Using the Four Cardinal Points

I am facing South and turn 90°
clockwise.

Which direction am I facing now?

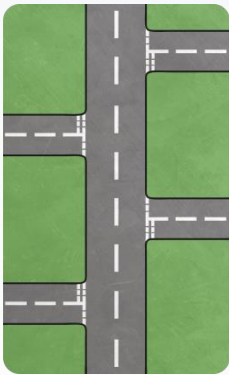


West

Using the Four Cardinal Points

I am facing North and turn
 180° **anticlockwise**.

Which direction am I facing now?

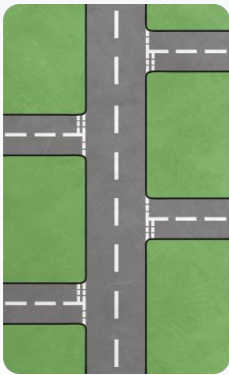


South

Using the Four Cardinal Points

I am facing West and turn
 270° clockwise.

Which direction am I facing now?

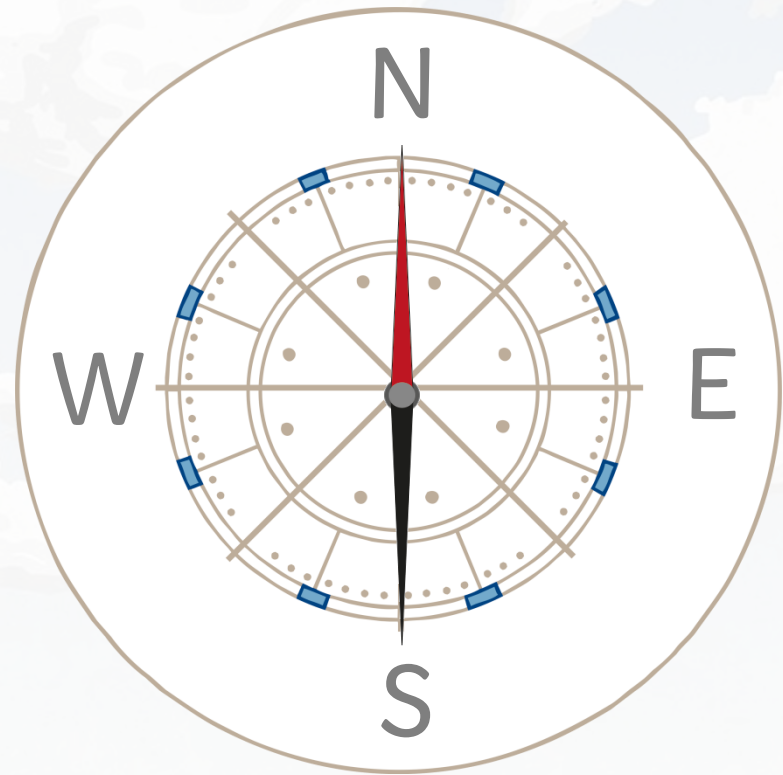
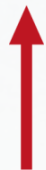
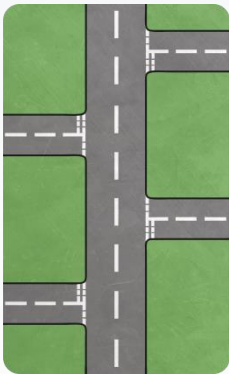


South

Using the Four Cardinal Points

I am facing North and turn
 270° **anticlockwise**.

Which direction am I facing now?



East

The Four Intercardinal Points

We can be more specific if we use a further 4 (intercardinal) compass points.

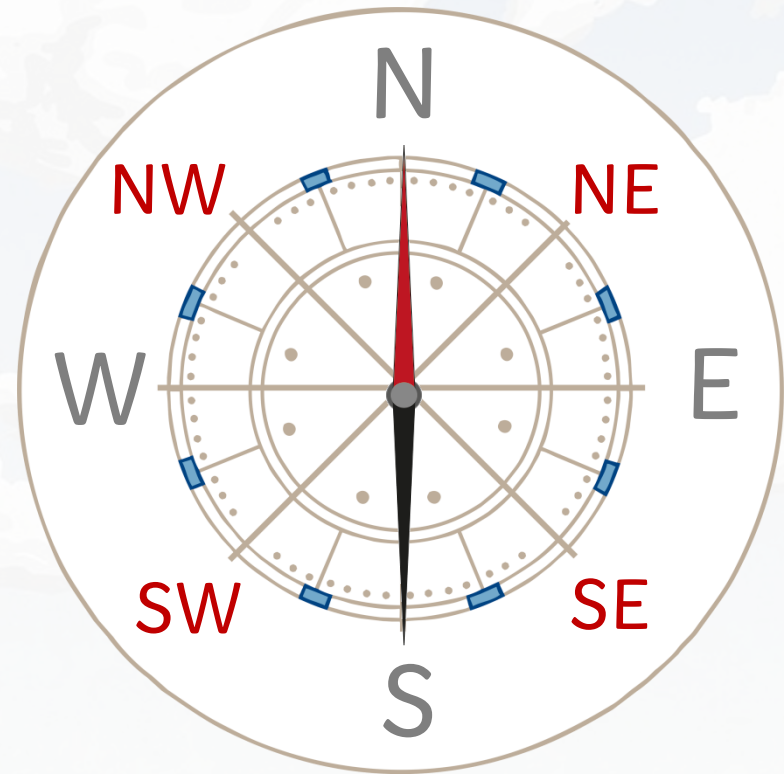
These come halfway between the main points and are called:

North-East (**NE**),

South-East (**SE**),

South-West (**SW**)

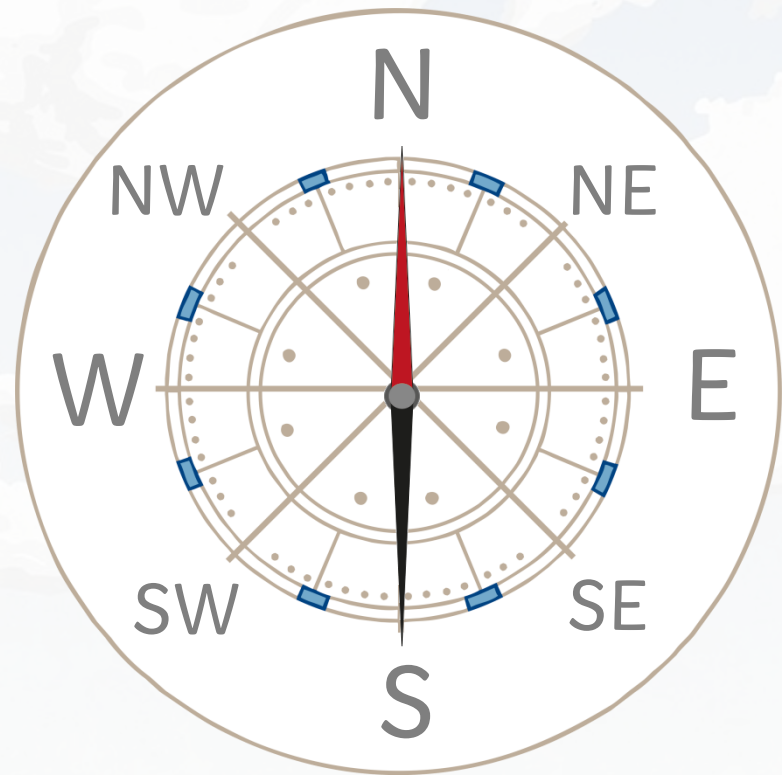
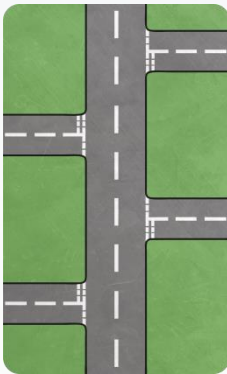
and North-West (**NW**).



Using the Four Cardinal Points

I am facing North-East (NE) and turn 90° **anticlockwise**.

Which direction am I facing now?

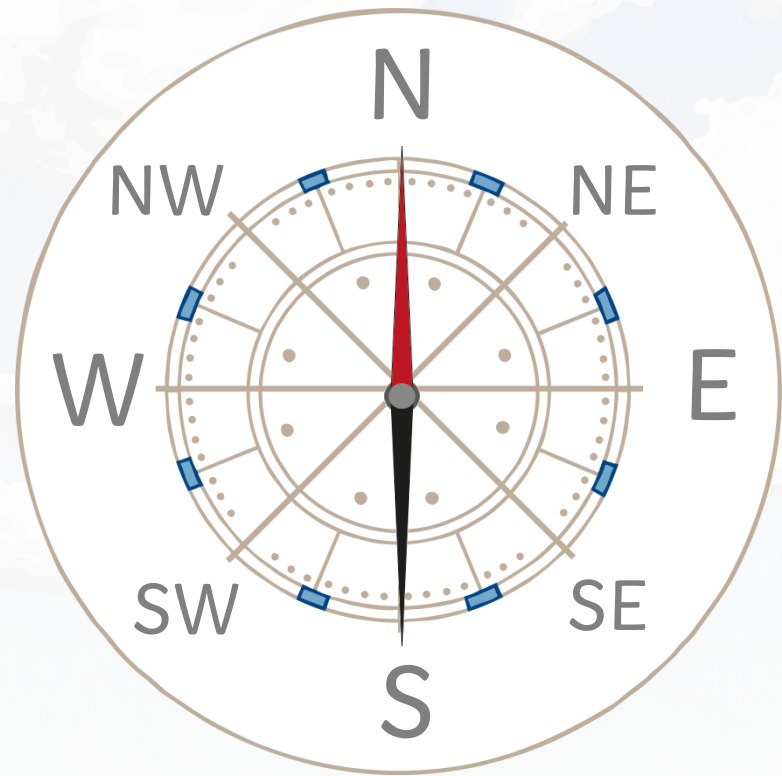
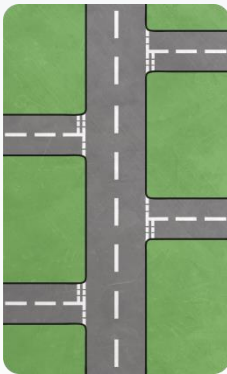


North-West

Using the Four Cardinal Points

I am facing South-West and turn 180° **clockwise**.

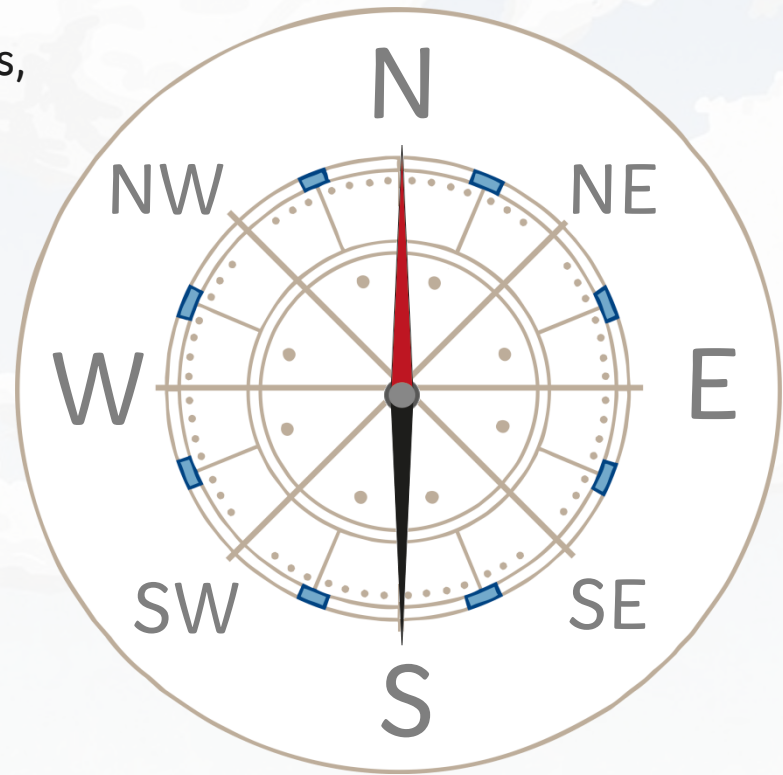
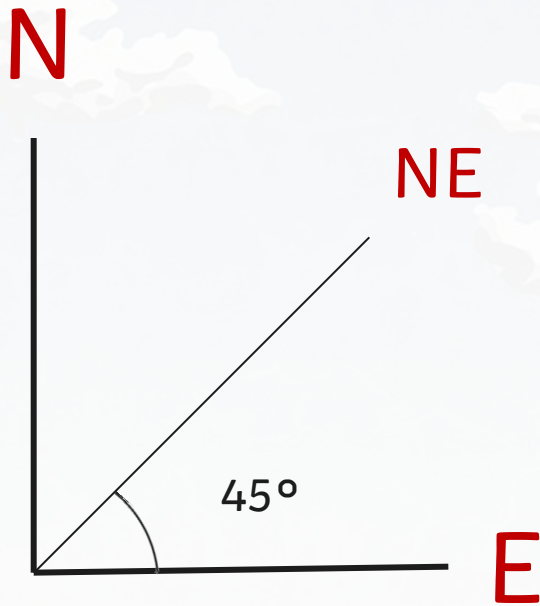
Which direction am I facing now?



North-East

Using the Four Cardinal Points

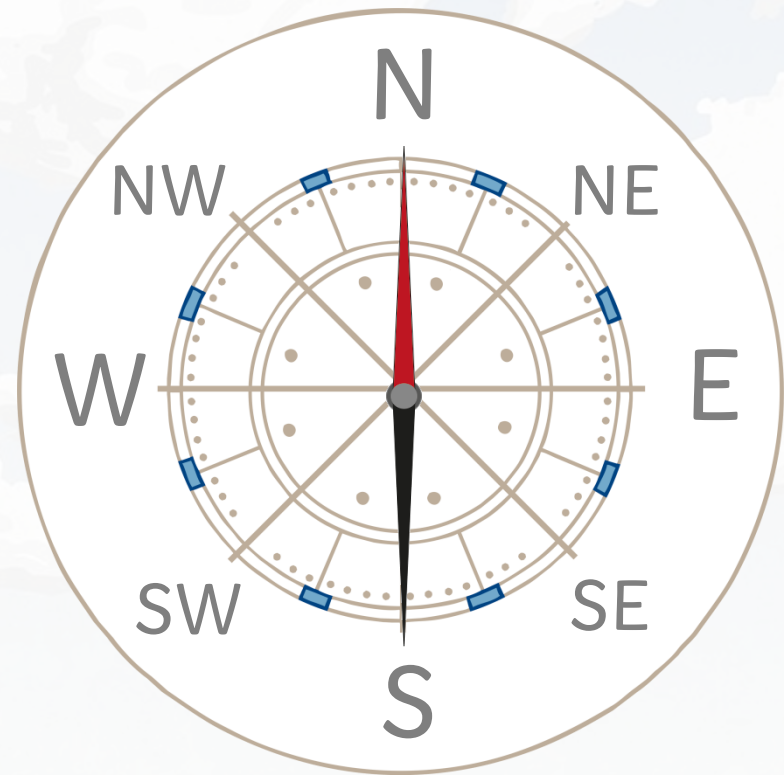
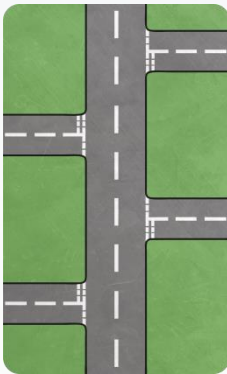
Between each of the 8 compass points, there are 45° . This is $\frac{1}{8}$ of a turn.



Using the Four Cardinal Points

I am facing North-West and turn 45° clockwise.

Which direction am I facing now?

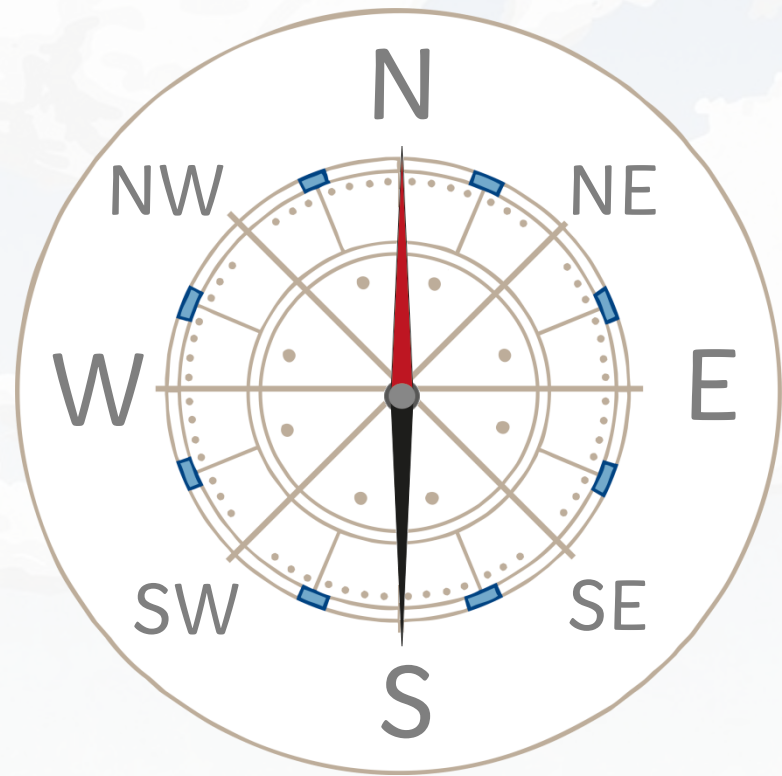
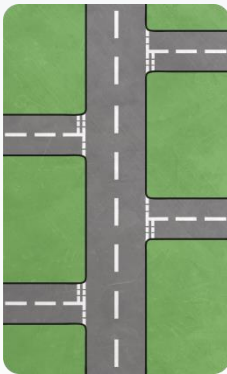


North

Using the Four Cardinal Points

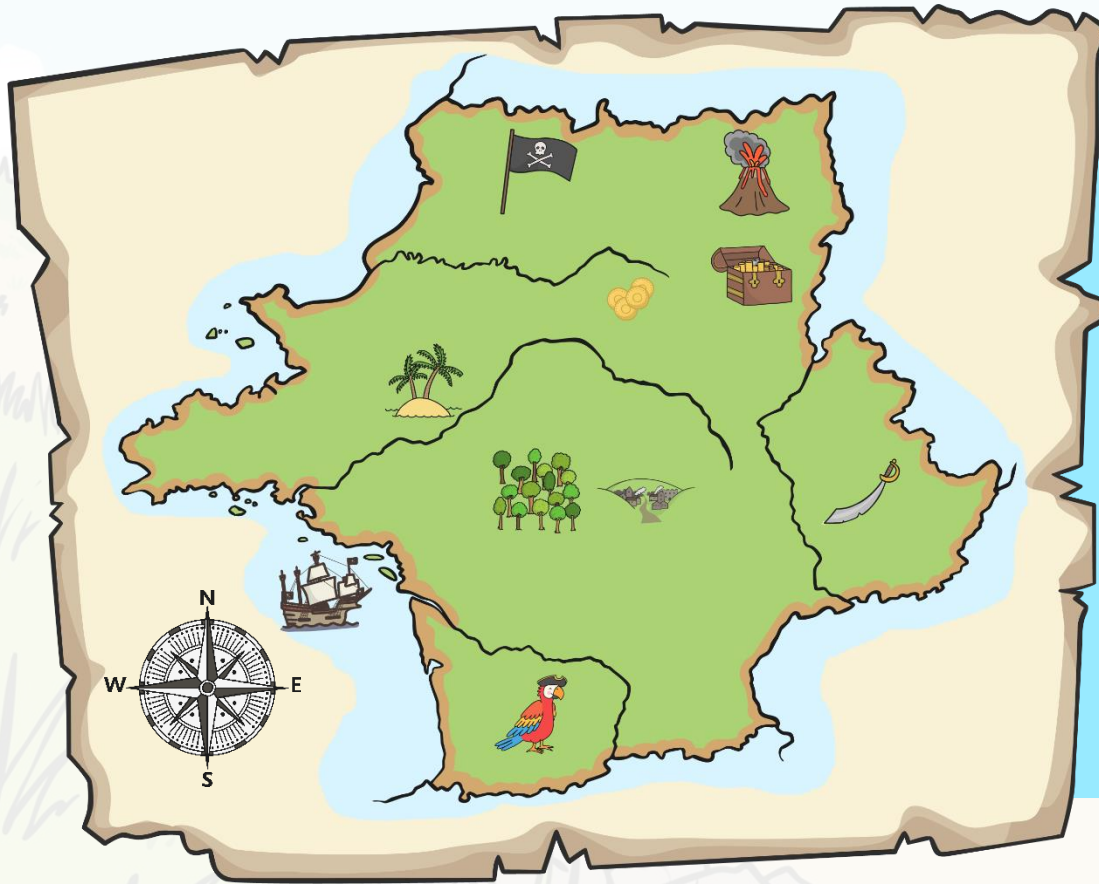
I am facing East and turn
 135° **anticlockwise**.

Which direction am I facing now?



North-West

Where Shall We Go?

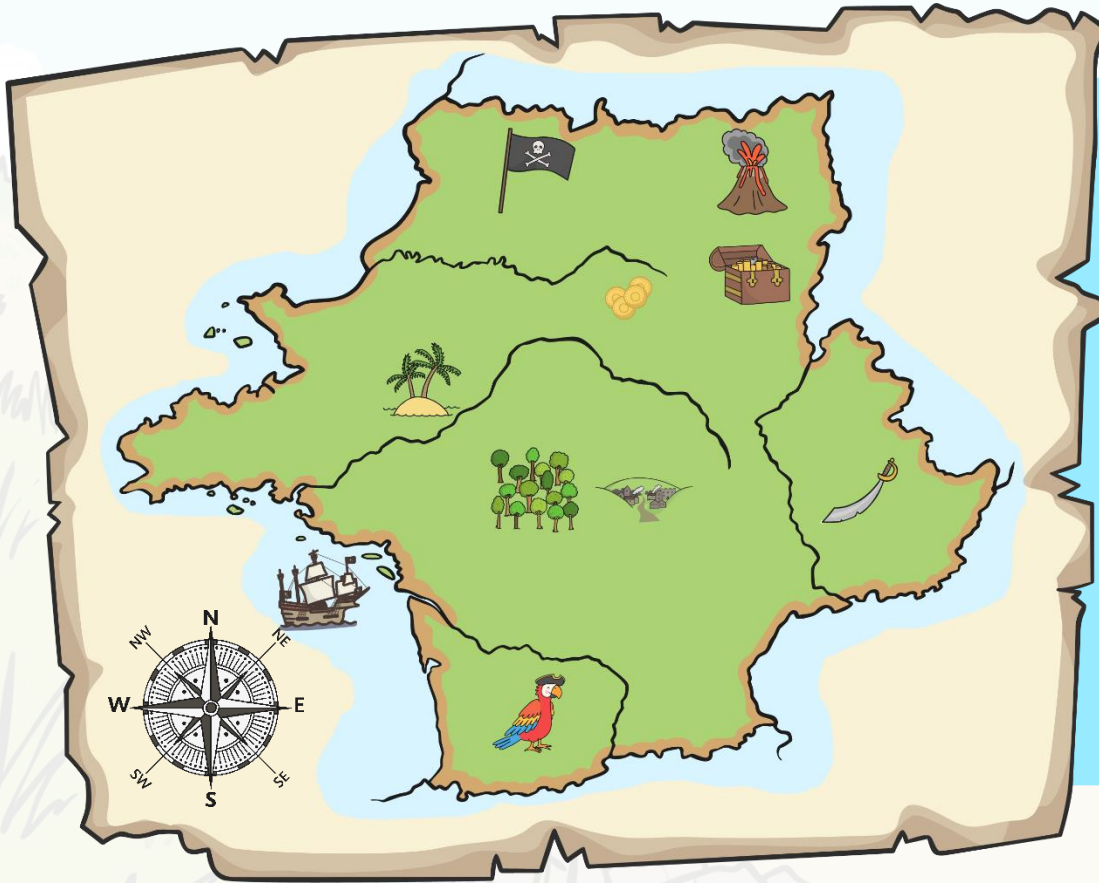


How could you
get from the
parrot to the
flag?

What about
from the
cutlass to the
forest?

How could you
get from the
palm trees to
the treasure?

Where Shall We Go Now?

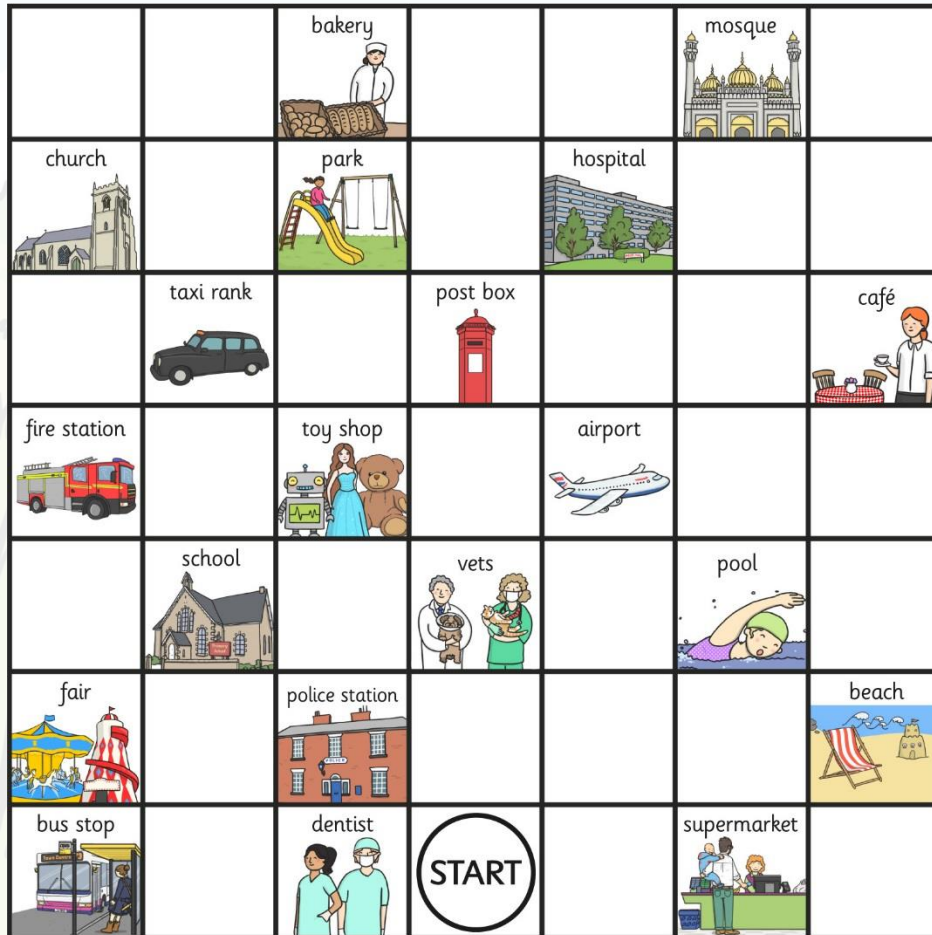


How could you get from the palm trees to the treasure?

How could you get from the coins to the volcano?

How could you get from the forest to the palm trees and then to the flag?

Giving Directions



Now it's your turn!

Choose a challenge:
1, 2, 3 or 4.



Try to give the
most
direct route.



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