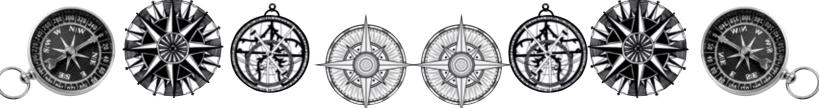
# PLACE AND DIRECTION

... HOW TO GET AROUND ... AND THE JOURNEYS TO GET YOU THERE

Packed with challenges featuring: direction, travel, compass points, grids, contour lines, co-ordinates, latitude and longitude, GPS, bird's-eye views, map reading, map symbols – and much more

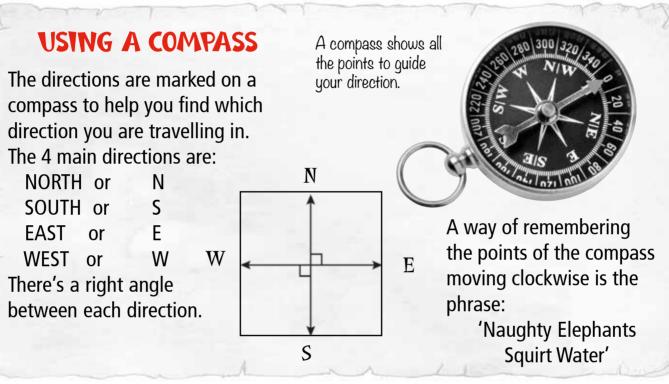
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## WHICH WAY?

Ancient people used to judge direction by following the movement of the Sun and stars across the sky. Later the compass was invented. Using a compass is more complicated than tracking the path of the Sun. It's also more accurate! There are 16 useful directions in all. These are exactly in-between each of the four main directions: N, S, E and W.



#### FROM A TO B

On a flat surface, the shortest distance between two points is along the straight line between them. Lines taking any other route are longer.

### AS THE CROW FLIES

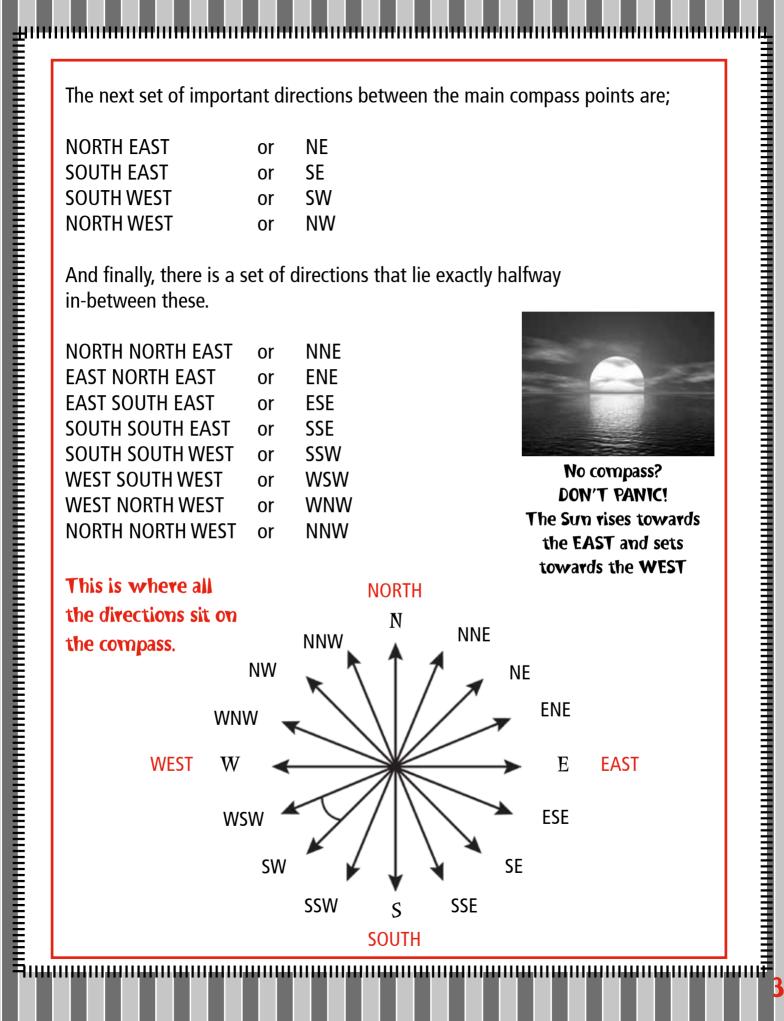
This expression is used to describe the shortest distance between two points. It's as if we imagine a crow flying from place to place without having to dodge any obstacles. Crows are a strange choice for this expression, however, as they usually fly in large curved paths and not straight ones!

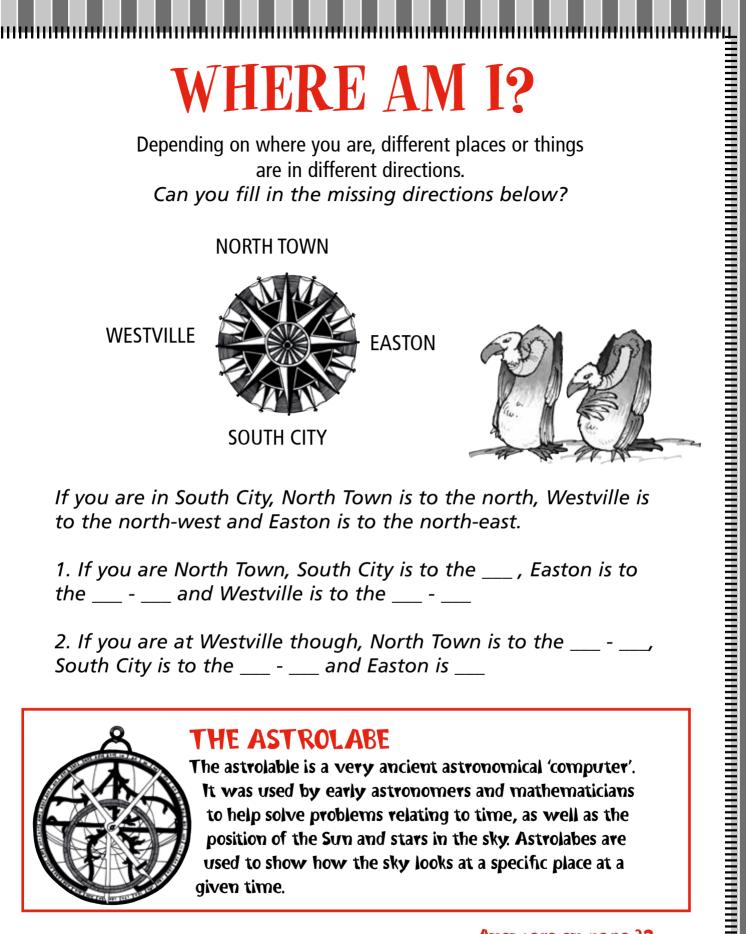


NORTH EAST	or	NE
SOUTH EAST	or	SE
SOUTH WEST	or	SW
NORTH WEST	or	NW

NORTH NORTH EAST	or	NNE
EAST NORTH EAST	or	ENE
EAST SOUTH EAST	or	ESE
SOUTH SOUTH EAST	or	SSE
SOUTH SOUTH WEST	or	SSW
WEST SOUTH WEST	or	WSW
WEST NORTH WEST	or	WNV
NORTH NORTH WEST	or	NNV







1. If you are North Town, South City is to the \_\_\_\_, Easton is to the \_\_\_\_\_ - \_\_\_\_ and Westville is to the \_\_\_\_\_ - \_\_\_\_

2. If you are at Westville though, North Town is to the - , South City is to the - and Easton is



The astrolable is a very ancient astronomical 'computer'. It was used by early astronomers and mathematicians to help solve problems relating to time, as well as the position of the Sun and stars in the sky. Astrolabes are used to show how the sky looks at a specific place at a given time.

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