

Teacher notes

Task 1

Children will select an instruction card and carry out the instructions which uses key terminology: forwards, backwards, turn, left, right. Mastery children may record their results on a 2D grid by marking their starting point and finishing point.

Task 2

Children will select an instruction card and carry out the instructions which uses key terminology: forwards, backwards, turn, clockwise, anticlockwise. Mastery children may record their results on a 2D grid by drawing their starting point and finishing point using an arrow to show the direction faced.

Task 3

Children will use the words forwards, backwards, left, right, clockwise, anticlockwise to write a set of instructions for their partner to follow. They will then record their start and end point on a 2D grid. It is important children understand the impact that the starting direction will have on the instructions.

DEVELOPING



Children will be given a word bank to help them write instructions. Children may only write up to three instructions in a set.

SECURE



Children will be given a word bank to help them write instructions. Children may write up to five instructions in a set.

MASTERY



Children will complete instructions without guidance.

For example:

Record:

		X	
	Start		

Instructions:

Move forward 2 spaces.

Make a quarter turn clockwise.

Move forward 1 space.

Task 1 (left / right)

Move forwards 3 spaces.
Turn right.

Move backwards 2 spaces.
Turn left.

Move forwards 2 spaces.
Turn left.
Move forward 1 space.

Move forwards 2 spaces.
Turn right.
Move backwards 2 spaces.

Move backwards 2 spaces.
Turn right.
Move forward 1 space.
Turn right.

Move forwards 3 spaces.
Turn left.
Turn right.
Move forward 1 space.

Move forwards 2 spaces.
Turn left.
Move backwards 3 spaces.
Move forwards 2 spaces.
Turn right.

Move backwards 3 spaces.
Turn right.
Move backwards 2 spaces.
Turn left
Move backwards 2 spaces.

Move backwards 4 spaces.
Turn left.
Turn left.
Move backwards 2 spaces.
Turn right.
Move forwards 2 spaces.

Move forwards 2 spaces.
Turn right.
Move backwards 2 spaces.
Turn left.
Turn right.
Move forward 1 space.

Task 2 (clockwise / anticlockwise)

Move forward 2 spaces.
Make a half turn clockwise.

Move backwards 3 spaces.
Make a quarter turn anticlockwise.

Move forward 1 space.
Make a quarter turn clockwise.
Move forward 2 spaces.

Move backwards 2 spaces.
Make a half turn anticlockwise.
Move forward 1 space.

Move forwards 4 spaces.
Make a full turn clockwise.
Make a quarter turn anticlockwise.
Move forward 2 spaces.

Make a half turn clockwise.
Move forwards 2 spaces.
Make a quarter turn anticlockwise.
Move forward 2 spaces.

Move forwards 4 spaces.
Make a full turn clockwise.
Make a quarter turn anticlockwise.
Move backwards 2 spaces.

Move forwards 2 spaces.
Make a quarter turn clockwise.
Make a quarter turn anticlockwise.
Make a half turn clockwise.

Move forward 1 spaces.
Make a half turn anticlockwise.
Make a quarter turn anticlockwise.
Make a full turn clockwise.
Make a half turn anticlockwise.

Move forward 3 spaces.
Make a full turn anticlockwise.
Make a half turn clockwise.
Move forward 2 spaces.
Make a quarter turn clockwise.

Movement and turns

Record:

Instructions:

Movement and turns



Record:

Instructions:

Terminology word bank

move steps forwards backwards turn
left right clockwise anticlockwise

move steps forwards backwards turn
left right clockwise anticlockwise

move steps forwards backwards turn
left right clockwise anticlockwise

move steps forwards backwards turn
left right clockwise anticlockwise

move steps forwards backwards turn
left right clockwise anticlockwise

move steps forwards backwards turn
left right clockwise anticlockwise