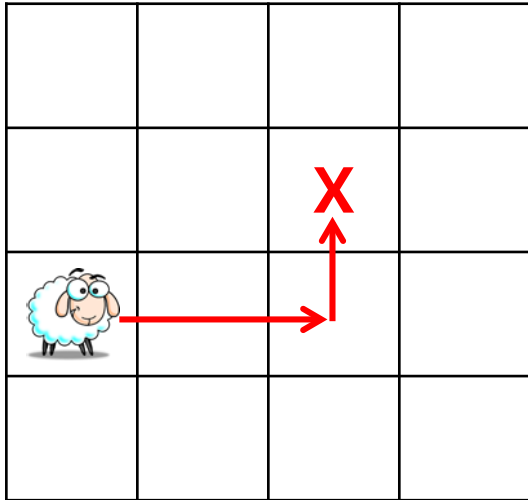


Movement and turns



1 Complete the sentences to describe the routes by circling the correct answer.

a

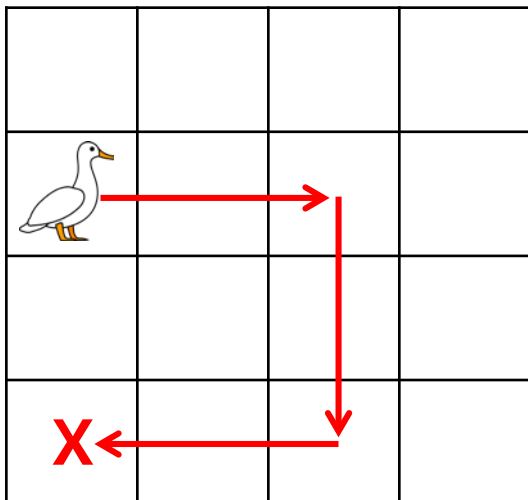


Move **forwards** / **backwards** 2 squares.

Make a **half** / **quarter** turn left.

Move forward 1 / 2 square.

b



Move **forwards** / **backwards** 2 squares.

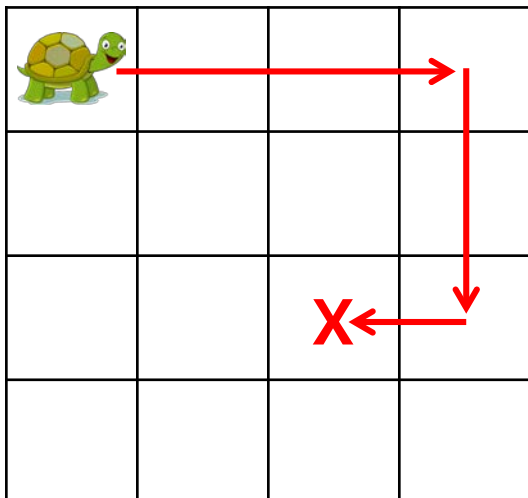
Make a **half** / **quarter** turn right.

Move forwards 3 / 2 squares.

Make a **half** / **quarter** turn right.

Move **forwards** / **backwards** 2 squares.

c



Move **forwards** / **backwards** 2 / 3 squares.

Make a quarter turn **left** / **right**.

Move **forwards** / **backwards** 1 / 2 squares.

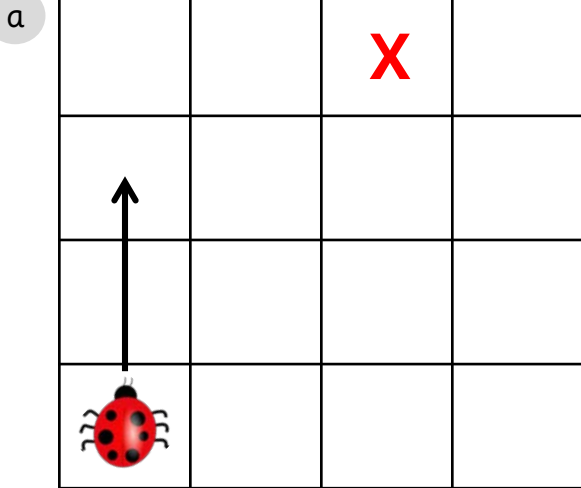
Make a **half** / **quarter** turn right.

Move forward / backwards 1 / 2 square.

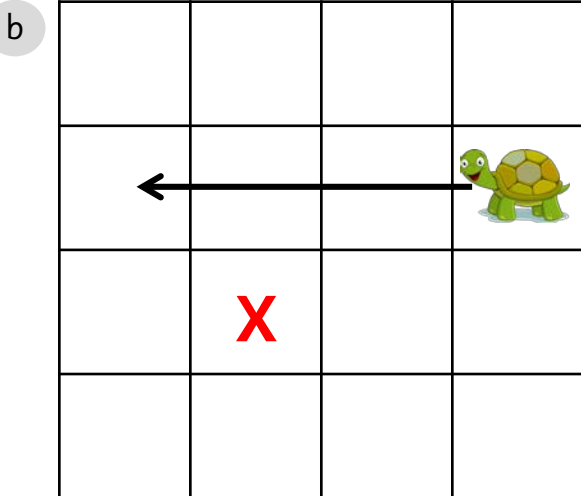
Movement and turns



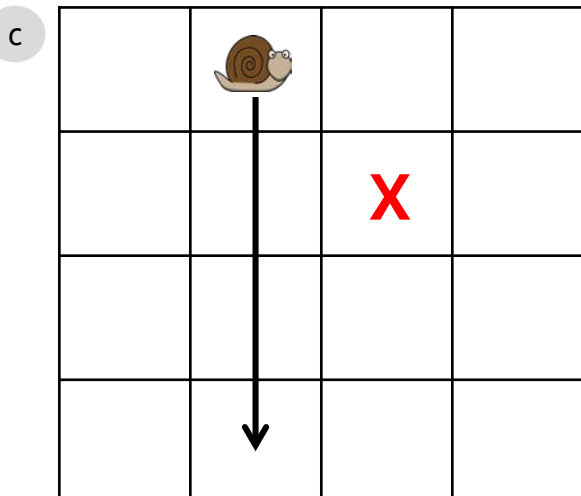
- 1 Draw the route using arrows to show the directions taken.
The first arrow has been drawn for you.



- Move forwards 2 squares. ✓
- Make a quarter turn clockwise.
- Move forwards 2 squares.
- Make a quarter turn anticlockwise.
- Move forward 1 square.



- Move forwards 3 squares. ✓
- Make a quarter turn anticlockwise.
- Move forward 1 square.
- Make a quarter turn anticlockwise.
- Move forward 1 square.



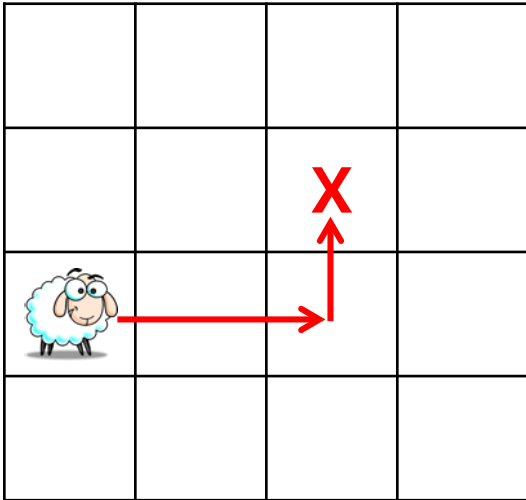
- Make a quarter turn clockwise. ✓
- Move forwards 3 squares. ✓
- Make a quarter turn anticlockwise.
- Move forward 1 square.
- Make a quarter turn anticlockwise.
- Move forward 2 squares.

Movement and turns



1 Complete the sentences to describe the routes taken.

a

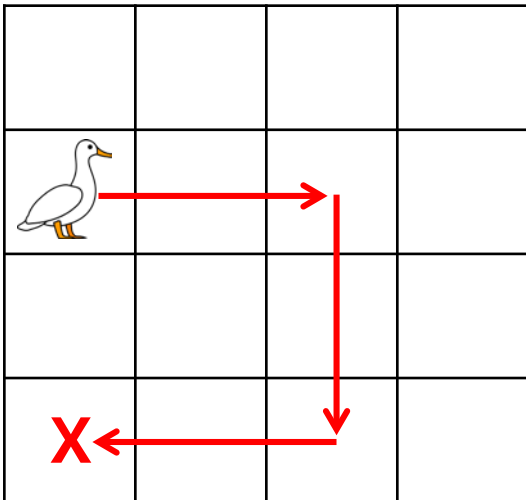


Move _____ 2 squares.

Make a _____ turn left.

Move forward ____ square.

b



Move _____ 2 squares.

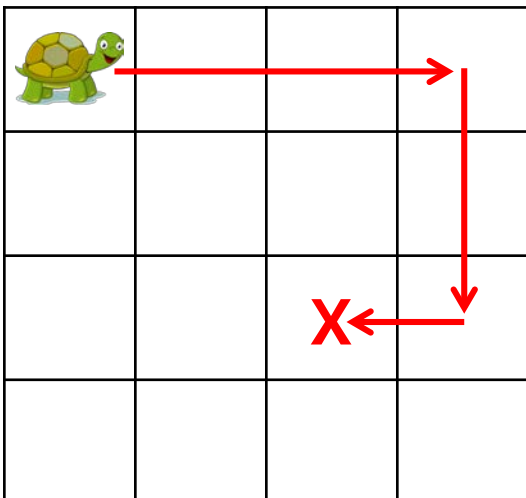
Make a _____ turn right.

Move forwards ____ squares.

Make a _____ turn _____.

Move _____ ____ squares.

c



Move _____ ____ squares.

Make a _____ turn _____.

Move _____ ____ squares.

Make a _____ turn _____.

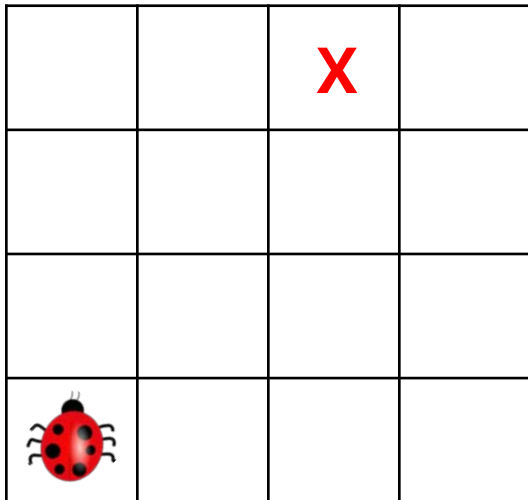
Move _____ ____ square.

Movement and turns



1 Draw the route using arrows to show the directions taken.

a



Move forwards 2 squares.

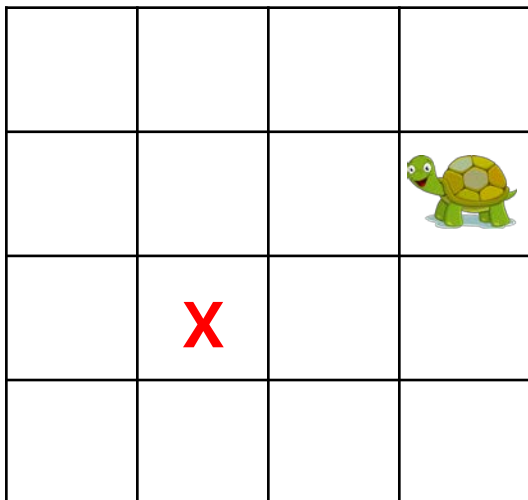
Make a quarter turn clockwise.

Move forwards 2 squares.

Make a quarter turn anticlockwise.

Move forward 1 square.

b



Move forwards 3 squares.

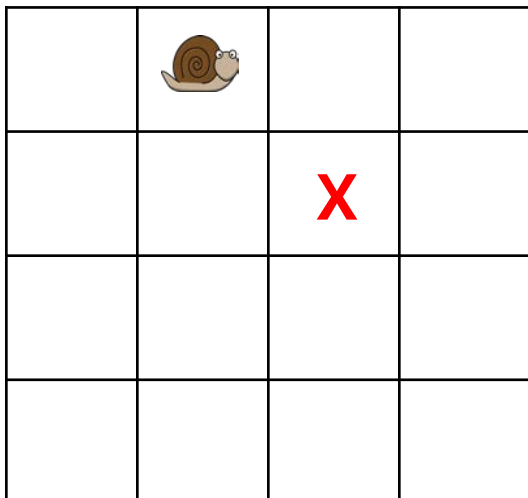
Make a quarter turn anticlockwise.

Move forward 1 square.

Make a quarter turn anticlockwise.

Move forward 1 square.

c



Make a quarter turn clockwise.

Move forwards 3 squares.

Make a quarter turn anticlockwise.

Move forward 1 square.

Make a quarter turn anticlockwise.


Move forward 2 squares.

Movement and turns




1 Describe the routes taken.

a


A 4x4 grid with a sheep in the bottom-left cell. A red arrow points right from the sheep to the second cell of the same row. From that cell, a red arrow points up to the top cell of the same column. A red 'X' is in the top cell.

b

A 4x4 grid with a duck in the top-left cell. A red arrow points right from the duck to the second cell of the same row. From that cell, a red arrow points down to the bottom cell of the same column. From that cell, a red arrow points left to the first cell of the same row. A red 'X' is in the first cell.

c

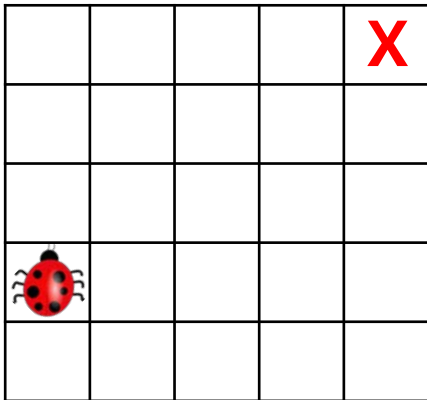
A 4x4 grid with a turtle in the top-left cell. A red arrow points right from the turtle to the third cell of the same row. From that cell, a red arrow points down to the bottom cell of the same column. From that cell, a red arrow points left to the second cell of the same row. A red 'X' is in the second cell.

Movement and turns



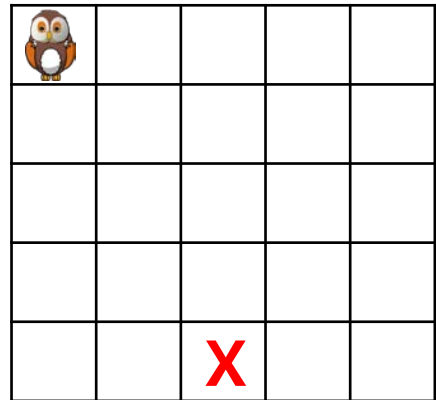
1 Draw the route using arrows to show the directions taken.

a



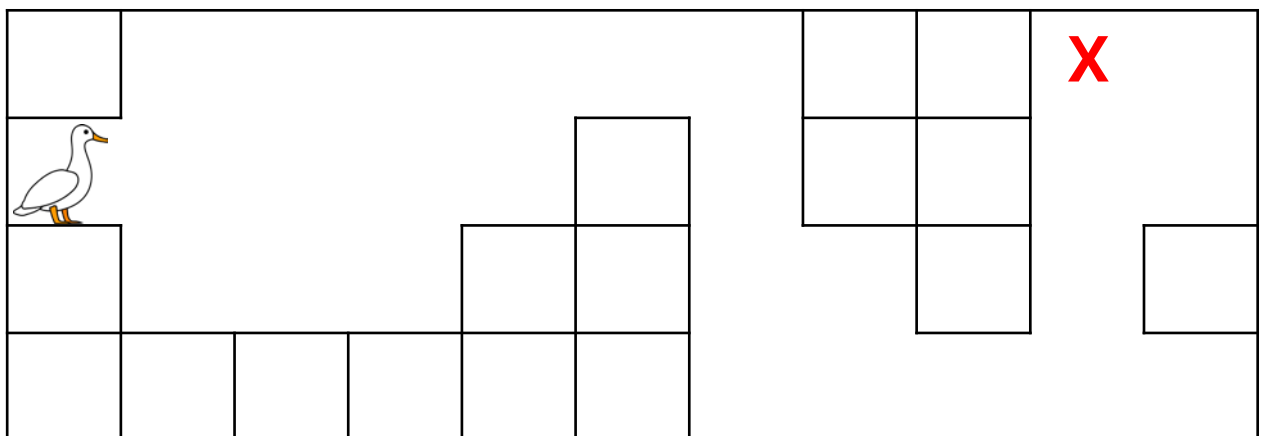
Move forwards 2 squares.
 Make a quarter turn clockwise.
 Move forwards 3 squares.
 Make a quarter turn anticlockwise.
 Move forward 1 square.
 Make a quarter turn clockwise.
 Move forward 1 square.

b



Move forward 1 square.
 Make a quarter turn anticlockwise.
 Move forward 3 squares.
 Make a quarter turn clockwise.
 Move forward 3 squares.
 Make a quarter turn clockwise.
 Move forward 1 square.

2 Follow the instructions and use arrows to record the journey taken.
 Mark the finishing position with an X.



Move forward 2 spaces.
 Make a quarter turn anticlockwise.
 Move forward 1 space.
 Make a quarter turn clockwise.
 Move forward 4 spaces.
 Make a quarter turn clockwise.

Move forward 3 spaces.
 Make a quarter turn anticlockwise.
 Move forwards 3 spaces.
 Make a quarter turn anticlockwise.
 Move forward 3 spaces.
 Put an X in the finishing position

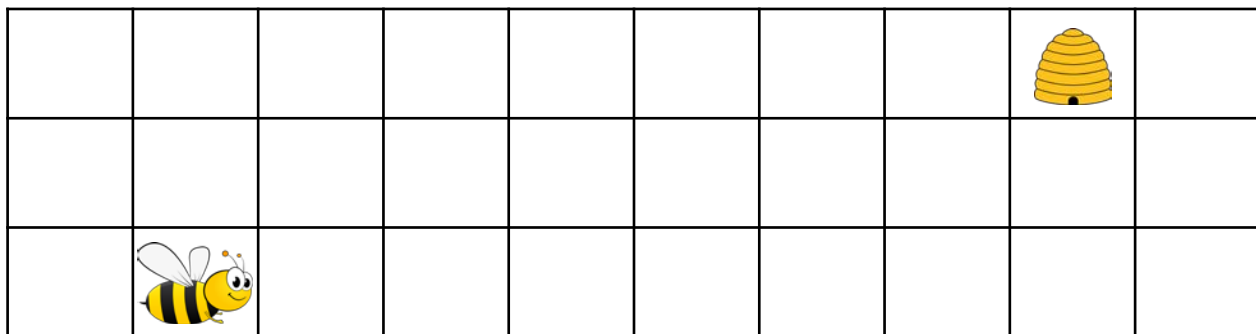
Can you write a different route?

Movement and turns



1 Write and draw directions from the start to the end point.

a



b

