

Maths home learning tasks

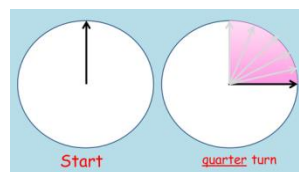
Complete the tasks but writing the answers in the exercise books provided. You don't need to print out this document.

Describing movement and turns:

clockwise – Turning the same way the hands of a clock turn.

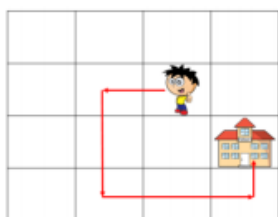
anti-clockwise- Turning the opposite way to the hands of a clock.

quarter turn- turning one quarter of the way of a whole turn.



Step 1)

Describe the route Dennis takes to school.



Language to use:

Forward, down, up, quarter turn, half turn, three quarter turn, clock wise, anti-clockwise, left, right

Draw the route to show these directions.



Forward 1 square. Turn left.

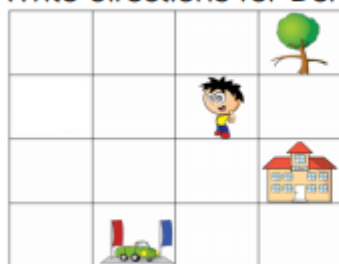
Forward 1 square, quarter turn anti-clockwise.

Forward 1 square. Make a quarter turn clockwise.

Forward 1 square. Make a three quarter turn anti-clockwise. Forward 3

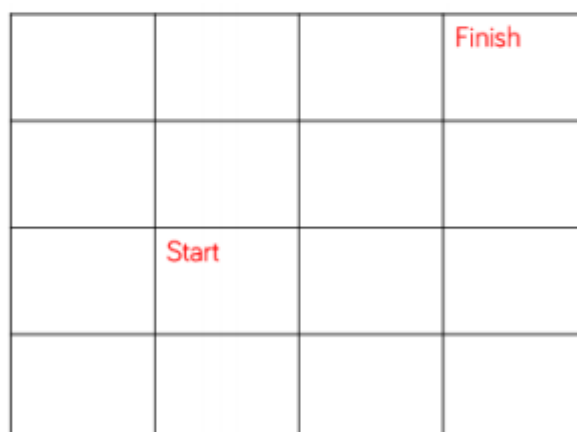
Step 2)

Write directions for Dennis to get to each place on the map.



Step 3)

How many different routes can you find to get from start to finish.
Use the words 'forwards', 'backwards', 'clockwise', 'anti-clockwise' and 'quarter turn'.



Step 4)

Is Whitney correct?



A quarter turn clockwise is the same as a three-quarter turn anticlockwise.

Convince me.

Step 5)

Create an obstacle course for your partner to complete. Create instructions as if they were a robot and you have to steer them around the course. Use the positional language we have used throughout the week to write the instructions.

Other Maths activities to have a go at:

Hit the button to practise 2,3,5,10 times tables or number bonds.

<https://www.topmarks.co.uk/maths-games/hit-the-button>

<https://whiterosemaths.com/homelearning/>