

Year 2 - Week 11 - Maths

Mental Maths

$3 \times 10 =$

$58 - 29 =$

$16 \div 4 =$

$18 + 17 =$

$45 + 25 =$

$33 - 28 =$

This week's learning is: **Movement**.

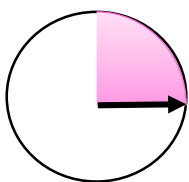
Click on the following links to view this week's Maths video:

<https://www.thenational.academy/year-2/maths/to-make-predictions-about-rotation-year-2-wk3-1#slide-3>

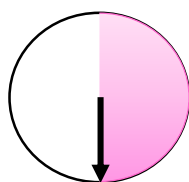
This video will provide your child with some activities to help them apply their new learning and we strongly encourage you to support them with these as you go through the video. As well as this, we have provided your child with some additional activities for them to complete on their own. 😊

This week's key vocabulary:

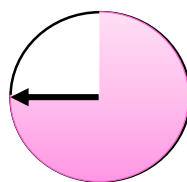
Rotation	Movement	Clockwise
Anti-clockwise	Quarter	Half
Three-quarter	Full turn	



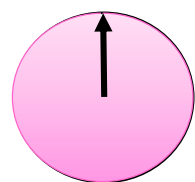
Quarter turn



Half turn



Three-quarter turn



Full turn

Here are some additional videos that you may find useful:

<https://www.bbc.co.uk/bitesize/topics/z2grd2p/articles/zww6b82>

<https://www.bbc.co.uk/bitesize/clips/zjyb9j6>

Year 2 - Additional Activities

Here is an octopus.



Tick the image of the octopus after a quarter turn clockwise.



What could the octopus do to get back to the start?

Half turn

☐

Quarter turn clockwise

☐

Quarter turn anti-clockwise

☐

Three-quarter turn anti-clockwise

☐

Treasure hunt

Now that you know about position, direction and movement, create a mini treasure hunt in your house or outside in your garden.

Hide 'treasure' in different places and use this week's vocabulary to help someone else in your household find the treasure.

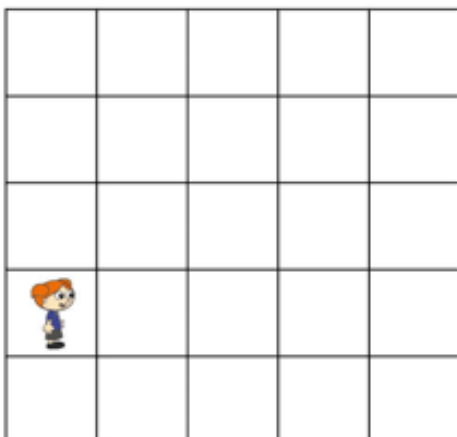
"Walk 3 steps forwards. Half turn clockwise. Walk 2 steps forwards etc."

Can you follow the written directions and plot the route Alex moves on the squared paper?

First, she walks straight forward 2 squares.

Next, she does a quarter turn anti-clockwise and walks straight forwards 2 squares.

Then, she does a quarter turn clockwise and walks straight forwards 2 squares.



Could Alex have got there another way?

Complete the following sentences to describe the movement of these triangles.



The triangle has made a _____ turn_____.



The triangle has made a _____ turn_____.



The triangle has made a _____ turn_____.

Is Whitney correct?

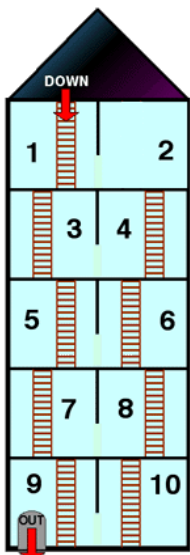


A quarter turn clockwise is the same as a three-quarter turn anticlockwise.

Convince me.

Challenge: The Tall Tower

You have been imprisoned at the top of the Tall Tower by the Wicked Magician!
You can go **down** the ladders and **through** the doorways into an adjoining room, but you cannot go into the same room twice OR climb up the ladders.
The numbers in the rooms show you how many spells there are in each one.



Which way should you go to collect the most spells?

Which way should you go to collect the fewest spells?

Can you find a route that collects exactly 35 spells?