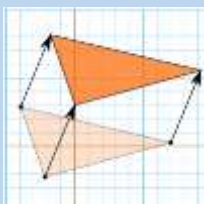


Home Learning Year 5

This Week's Maths Tasks

Transforming Shapes/Shape Translation

First we will look at how to transform a shape and then focus on translation. Parent Crib sheet available if you want to check.



WC 6th July 2020

In Geometry, "Translation" simply means **Moving** ...without rotating, resizing or anything else, **just moving**.

To Translate a shape: Every point of the shape must move:

- the **same distance**
- in the **same direction**.

Mental Maths:

- Visit Times Table Rockstars daily. Make sure you are completing the Garage Tasks as a minimum.
- Visit this link to remind yourself how to round numbers. Bitesize <https://www.bbc.co.uk/bitesize/topics/zh8dmp3/articles/zpx2qty>
- Visit BBC Bitesize – Rounding and estimating <https://www.bbc.co.uk/bitesize/guides/zv3rd2p/revision/1>
- Rehearse your rounding skills here. Play Rocket Rounding <https://www.topmarks.co.uk/maths-games/rocket-rounding>

Activity 1:

- How can you transform a shape? Visit <https://www.bbc.co.uk/bitesize/topics/z2dqrwx/articles/zcjs97h>. and https://www.youtube.com/watch?v=qR_8E6KzTo See which explanations work best for you.

Activity 2:

- Complete Translation Sheets Activity 2. Here you will start of explaining how a shape has been translated. You will then accurately translate a shape and then move onto accurately translate tricky shapes.

Activity 3:

- Complete the Translate Challenge Sheet. Here you will translate shapes by the coordinates given and then you will make a translation puzzle for someone else to solve.

Activity 4:

- If you fancy an extension and a real challenge try the NRICH Transformation Tease. I have also included a solution document so you can talk through the task with an adult.

