



P6 Numeracy activities – Tuesday 26th – Friday 29th May (4 days – Bank Holiday on Monday 25th)

Place value - Negative numbers (1 day)

- Let's begin by revising last week's work. Log in to Education City and go back to the "Negative numbers" city in the Classwork section. Use the "Slippery Slope" and "Boiling Point" learning screens to learn more about using a thermometer to measure both positive temperatures (temperatures above 0°C) and negative temperatures (temperatures below 0°C). When reading a temperature which is below 0°C, we would usually say "minus" instead of "negative" e.g. -10°C (say minus 10 degrees centigrade).
- Download the "European Cities temperature" activity. Using the map of Europe at the top of the page, you can see the temperature recorded at noon in different cities on one day in January. Use the information provided to answer questions 1-3.
- In question 4, look closely at the graph showing the minimum (lowest) temperatures recorded in Stockholm each month over the course of a year. You need to work out the scale for the temperatures because one box does not equal 1°C so what are we counting in? Use the information provided to answer each part of question 4.
- In the final question, you are going to draw your own graph to show the average monthly temperatures recorded in Moscow. Your graph will be set out in a similar way to the Stockholm graph. The answers for today's work can be downloaded from the school website.

Measures - Volume (1 day)

- Today we are thinking about 3D shapes. **Volume is the amount of space a 3D shape takes up.**
- Go to BBC Bitesize <https://www.bbc.co.uk/bitesize/topics/zjbg87h/articles/zcrxtyc> for a short introduction to volume.
- Volume is measured using cubic centimetres (cm³). You can work out the volume of a shape by multiplying **height × width × depth**.
- Log in to Education City and open the "Volume" city in the Classwork section. Use the "Liquid Assets" learning screen to learn more about volume of both cuboids and of liquids. Use the "Tanks for all the fish" activity to practise what you've just learned.
- For your written activity, download the "Vitamin cubes volume activity" and work out the volume of each cuboid. The answers are available to download from the school website. For question 4, have a look in your cupboards for some boxes e.g. cereal, rice, washing powder, etc. Use your ruler to measure the height, width and depth of each box and try to work out the total volume.

Measures – Scale drawings (1 day)

- Download the "Scaled Measurements introduction" PowerPoint to revise why we use scale drawings and how we can work out the actual size of an object using the given scale.
- Then download the "Fish Scales scale drawing activity" – if you are printing it, make sure you select "Actual size" not "Fit to page"! Look carefully at the given scale, use a ruler to measure each object (to the nearest centimetre) and then work out its true length or height. In question 3, don't forget to convert your answer from centimetres into metres e.g. if the answer was 210cm, that would become 2m 10cm. The answers are available to download from the school website.

If you're not doing the AQE practice papers this week, why don't you do some mental maths activities for revision? Log in to Education City and try the activities in the "Symmetry" city. You'll also find lots of excellent activities on www.interactive-resources.co.uk (username: brooklands password: brooklands)

Practice paper – Heinemann Paper 8 (1 day) plus Windmill Series 2 Test 1 (weekend paper)

This week, you have two tests to complete. Try to complete the Heinemann Paper 8 on your own as a test. Find a quiet place away from all distractions and do your best to get through as many of the pages as you can within 45 minutes. Do your working-out in the spaces at the sides of the page.

If you don't get it all finished, don't worry! You will find that you will get faster over the coming weeks as you get used to doing these tests. You can try the remaining questions later. If you get stuck on a particular question, have a guess, put a circle around the question number and move on. You can always go back to the questions which you have circled at the end of the test if you have any time left.

It is very important to use any extra time to go back and check your work. It is very unusual for anyone to get every question right so look for any mistakes

e.g. if the question says "Tick the correct boxes", have you ticked more than one answer?

If your answer is in cm e.g. $25\text{cm} \times 5 = 125\text{cm}$, you might need to write your answer in metres so 1.25m

Once you have completed the test, download the answers and go through the test with an adult to mark your work. Take about an hour to go through the test together. The answers also show how you might set out your working-out. If there are any words which you don't understand, look them up in your dictionary.

Don't expect to get a wonderful score! These tests are supposed to be challenging and there will be some questions which you will find difficult. If there are particular questions which you are getting stuck on, it can be really useful to ask an adult to make up some extra questions - the more you practise, the better you'll get!

Good luck! And remember, at this stage, **scores don't matter**. We are simply getting used to doing these tests.

For those of you who are planning to enter the AQE tests, you now need to be doing two tests per week.

Over the weekend, have a go at Windmill Series 2 Test 1. You might decide to work through it on your own and then mark it or you could sit with an adult and look through the questions together as you do your working-out. The answers can be downloaded from the school website.

The next set of practice papers for the month of June will be available to collect from the school foyer from 10.00am on Monday 1st June. **If you had previously requested a set of papers, you do not need to send another email** as we will assume that you want to receive this set. However, if you have changed your mind and no longer wish to receive any more practice papers, please email Mrs Bell abell356@c2kni.net by Wednesday 27th May to let her know. Many thanks!