




Homework Sheet
Week Beginning Monday 9th March
Please return on Friday 1^{3th} March

Subject	Task
<p>Maths</p> 	<p>Mental Maths Booklet Pyramids C3/1 Cubes B10/3 Spheres B6/2 Please calculate the answers mentally with an adult. You <u>do not</u> need to write the answers in your jotter.</p> <p>Mental Maths (optional)</p> <ul style="list-style-type: none"> • Continue to practise telling the time in 12 hour and 24 hour clock. • Can you calculate how long it took you to complete your homework/have your dinner/finish your game/get changed?
<p>Language</p> 	<p>In class you have chosen your spelling words level from the 'Chilli Challenge'. You have to find 5 additional words at that level. You may use the internet or a dictionary to help you. The spelling rule will change every week.</p> <p>In addition to this, we would like you to practise this rule by choosing to complete two tasks found on the 'Spelling Strategies' sheet. Please choose different ones from last week. Please record your words in your Literacy Homework Jotter. All other tasks do not need to be recorded in the jotter as these should be active and enjoyable and will not be checked over by the teacher.</p> <p>Extra Spelling task (Optional) - go to https://www.spellingcity.com/MissCharnley/</p> <ul style="list-style-type: none"> • Scroll down until you find the correct sound Silent B words • Try some games or test yourself on this week's words.
<p>Other</p> 	<p><u>British Science Week</u></p> <p>It is British Science Week, to celebrate we have included a ship related science activity (as our topic is The Titanic). We look forward to seeing and hearing about the results. If you enjoyed this challenge- there are many other science experiments which you could try on the British Science Week website.</p>

Diverse places

Don't tip the ship!

About this activity

Cargo ships have been around for thousands of years, transporting goods around the world. The *Cutty Sark* was built in 1869 to bring tea from China to London. In this activity, you will build boats and investigate how much weight can be added to the boats before they sink.

Kit list

- ✓ 1cm² paper
- ✓ Ice cream tub, or any tub or tank
- ✓ Small weights or coins
- ✓ Sellotape
- ✓ Scissors
- ✓ Cloth to mop up spills quickly
- ✓ Optional extra materials for boat building e.g. foam, foil, plasticine

Time: 1 hour

Watch out!

Quickly mop up any water that you spill – wet floors are slippery and can cause accidents.

Instructions

- 1 Fill a tub or tank with water. Place it on a mat or tray so your surfaces don't get slippery with spilled water.
- 2 Take a piece of squared paper. Create a rectangle of 6 x 7 squares. Cut this out as shown on the next page.
- 3 Fold up the four sides (shown in green). Tape the corners together to make it watertight.
- 4 Count the number of squares in the base of the boat.
- 5 Gently place the boat in the tub of water - it will float!
- 6 Add weights one after the other until the boat sinks. For best results, place the weights equally and in a balanced way around the boat. On a real ship the weight is carefully spread across it to prevent it from tipping.
- 7 Repeat the experiment and compare your results with other groups.
- 8 Now try different designs. Does the size or shape of the boat change how many weights it can hold? The only limit is the size of the tub!
- 9 Discuss your results as a class.

Next steps

Why not use different materials to make and test your boats?

Find out more about the *Cutty Sark* and how to visit at rmg.co.uk/cuttysark



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