








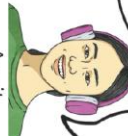
**Year 4 Homework Spring 2nd w/c 23.03.26**

Please find below three English tasks and three Mathematics tasks for children to complete for their homework this week. Our recommendation is that children complete Task 1 for English and Maths on Tuesday, Task 2 for both on Wednesday and Task 3 for both on Thursday. This short, frequent style of homework will support children to consolidate their learning. Please find the answers on the class page. *The expectation is that children mark alongside parents/carers or self-mark.*

**Children are to hand in their MARKED homework in their pink homework books on Monday morning, alongside their reading record.**

English		
Task 1: Grammar and punctuation	Task 2: Reading comprehension	Task 3: Spelling Pattern
<p><b>LI: To edit and improve writing.</b></p> <p>Alice stared out of the window. An old car was parked on the road. Then, she saw her brother run down the path before opening the car door. He jumped in the car before slamming the door shut. Then, the car drove off down the road. She turned from the window and sat down on the sofa. Why was her brother allowed to leave but not her? It was so unfair!</p> <p><b>The sentences in this paragraph make sense and punctuation, spellings and grammar have been used correctly. However, is this paragraph interesting for someone to read? Do the words help to paint a vivid image of what is happening in the story?</b></p> <p><b>Up level the vocabulary choices that have been used and the sentence structures to make the paragraph more interesting for the reader.</b></p> <p><b>There is an example below.</b></p>	<p><b>LI: To read and comprehend</b></p> <p><b>Read the information sheets about Earthquakes and then answer the following questions.</b></p> <ol style="list-style-type: none"> <li>1. Look at the section called <b>What Causes an Earthquake?</b>. Which word is a synonym for 'occur'?</li> <li>2. Where is the San Andreas Fault located?</li> <li>3. What scale do seismologists use to measure the shaking and damage an earthquake can cause?</li> <li>4. Which part of the text surprised you the most? Explain your answer.</li> <li>5. What is the purpose of the subheadings in this text?</li> <li>6. Explain why the author chose to describe the edges of tectonic plates as 'jagged'.</li> </ol>	<p><b>LI: To practise spelling words</b></p> <p><b>breathe increase breath instead favourite paint follow friend weight people</b></p> <p>Please practise the spellings using the Look Cover Spell Write methods</p> <p>Spelling and tables tests will be held in class each week to monitor your progress.</p>



<b>Mathematics</b> <b>LI: To add fractions</b>																								
<b>Task 1:</b> <b>Fluency</b>	<b>Task 2:</b> <b>Varied fluency</b>	<b>Task 3:</b> <b>Problem solving and reasoning</b>																						
<p>Complete the Multiplication questions.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr><td style="padding: 2px;"><math>6 \times 8 =</math></td><td style="padding: 2px;"><math>9 \times 4 =</math></td></tr> <tr><td style="padding: 2px;"><math>9 \times 10 =</math></td><td style="padding: 2px;"><math>1 \times 8 =</math></td></tr> <tr><td style="padding: 2px;"><math>2 \times 6 =</math></td><td style="padding: 2px;"><math>12 \times 6 =</math></td></tr> <tr><td style="padding: 2px;"><math>7 \times 7 =</math></td><td style="padding: 2px;"><math>7 \times 9 =</math></td></tr> <tr><td style="padding: 2px;"><math>8 \times 1 =</math></td><td style="padding: 2px;"><math>3 \times 10 =</math></td></tr> <tr><td style="padding: 2px;"><math>9 \times 9 =</math></td><td style="padding: 2px;"><math>9 \times 6 =</math></td></tr> <tr><td style="padding: 2px;"><math>12 \times 3 =</math></td><td style="padding: 2px;"><math>3 \times 4 =</math></td></tr> <tr><td style="padding: 2px;"><math>10 \times 12 =</math></td><td style="padding: 2px;"><math>8 \times 8 =</math></td></tr> <tr><td style="padding: 2px;"><math>8 \times 7 =</math></td><td style="padding: 2px;"><math>2 \times 7 =</math></td></tr> <tr><td style="padding: 2px;"><math>3 \times 10 =</math></td><td style="padding: 2px;"><math>12 \times 11 =</math></td></tr> <tr><td style="padding: 2px;"><math>5 \times 8 =</math></td><td style="padding: 2px;"><math>5 \times 5 =</math></td></tr> </table>	$6 \times 8 =$	$9 \times 4 =$	$9 \times 10 =$	$1 \times 8 =$	$2 \times 6 =$	$12 \times 6 =$	$7 \times 7 =$	$7 \times 9 =$	$8 \times 1 =$	$3 \times 10 =$	$9 \times 9 =$	$9 \times 6 =$	$12 \times 3 =$	$3 \times 4 =$	$10 \times 12 =$	$8 \times 8 =$	$8 \times 7 =$	$2 \times 7 =$	$3 \times 10 =$	$12 \times 11 =$	$5 \times 8 =$	$5 \times 5 =$	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><math>4 \times 3 =</math> <input style="width: 50px;" type="text"/></p> <p><math>3 \times 4 =</math> <input style="width: 50px;" type="text"/></p> <p><math>12 \div 3 =</math> <input style="width: 50px;" type="text"/></p> <p><math>12 \div 4 =</math> <input style="width: 50px;" type="text"/></p> </div> <div style="text-align: center;"> <p>b)</p>  <p><math>40 \times 3 =</math> <input style="width: 50px;" type="text"/></p> <p><math>30 \times 4 =</math> <input style="width: 50px;" type="text"/></p> <p><math>120 \div 3 =</math> <input style="width: 50px;" type="text"/></p> <p><math>120 \div 4 =</math> <input style="width: 50px;" type="text"/></p> </div> </div> <div style="margin-top: 20px;"> <p>c)</p>  <p><math>400 \times 3 =</math> <input style="width: 50px;" type="text"/></p> <p><math>300 \times 4 =</math> <input style="width: 50px;" type="text"/></p> <p><math>1200 \div 3 =</math> <input style="width: 50px;" type="text"/></p> <p><math>1200 \div 4 =</math> <input style="width: 50px;" type="text"/></p> </div>	<p>1) Amrit thinks she has grown the most cabbages. Is this true or false? Explain your reasoning.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 10px;"> <div style="text-align: center;">  <p>Emily</p> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 150px; margin: 0 auto;"> <p>I have grown 4 rows with 6 cabbages in each.</p> </div> </div> <div style="text-align: center;">  <p>Zebe</p> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 150px; margin: 0 auto;"> <p>I have grown 8 rows with 3 cabbages in each.</p> </div> </div> <div style="text-align: center;">  <p>Amrit</p> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 150px; margin: 0 auto;"> <p>I have grown two plots of cabbages. One plot has 5 rows with 3 cabbages in each and the other plot has 3 rows with 3 cabbages in each.</p> </div> </div> </div> <hr style="margin-top: 20px;"/> <hr style="margin-top: 5px;"/> <hr style="margin-top: 5px;"/>
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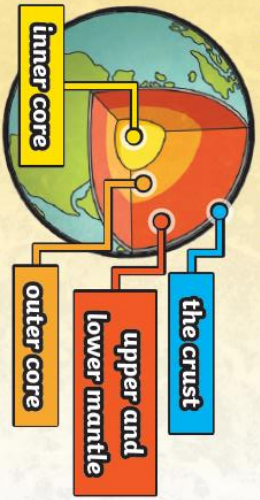


# The Power of Nature: Earthquakes

Digging for  
Details

## Tectonic Plates

The Earth has several layers that are called the crust, the mantle and the core.



There are **tectonic plates** inside the Earth's crust and the upper mantle.

## What Causes an Earthquake?

In the mantle, melted rock gives off heat that causes the plates to move. Tectonic plates can move in different ways.

shift towards each other



move away from each other



slide sideways past each other



**These movements can cause earthquakes to occur.**

The most powerful earthquakes are often caused by plates that slide past each other. The edges of tectonic plates are often jagged so it is common for there to be friction where their edges snag.



This limits their movement as they slide past each other and causes stress on both plates. When plates move past the friction, this releases the stress and causes an earthquake.

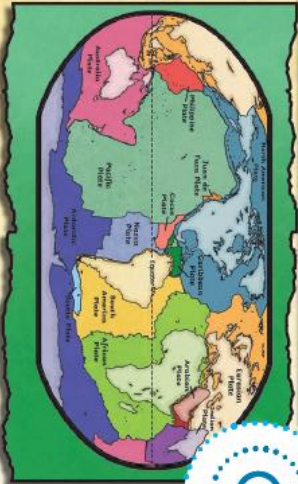
**The size of an earthquake depends on the amount of stress and friction between the plates.**



## Digging For Details



### Plate Boundaries and Faults



### Plate Tectonics

Volcanoes and earthquakes frequently occur along many **plate boundaries**. Plate boundaries can also create cracks in the Earth's crust where movement occurs. These are called faults. They form along most plate boundaries but faults can also form in the middle of plates too.

One of the most famous faults is the San Andreas Fault in California. This fault has caused some of the American state's most disastrous earthquakes.



### San Andreas Fault

### The Strongest Earthquakes Ever Recorded

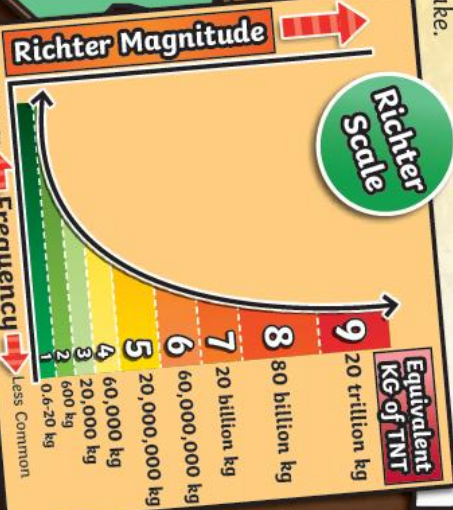


## The Power of Nature: Earthquakes

### Measuring an Earthquake

Seismologists use the Richter scale and the moment magnitude scale to measure the magnitude or size of an earthquake.

Seismologists use the Mercalli scale to measure the strength of shaking and damage caused by an earthquake.



**plate boundaries:** Where two tectonic plates are close to each other or meet.

**seismologists:** Scientists who study earthquakes.

**tectonic plates:** Several large sheets of rock that form the Earth's surface.

### Glossary





Monday:

Miserably, Alice stared out of the misty window. Outside, an ancient, rusty car was parked on the road. Suddenly, she saw her brother run enthusiastically down the overgrown path before opening the car door. He jumped in the car excitedly before slamming the door shut. Moments later, the rackety car drove off down the windy road. Furiously, she turned from the window and sat down on the worn, shabby sofa. Why was her spiteful brother allowed to leave but not her? It was so unfair!

Tuesday – Reading comprehension answers:

1. Happen
2. California
3. The Mercalli Scale
4. Own responses.
5. E.g. help the reader to understand how each section of the text is organised.
6. E.g. helps the reader to visualise the plates more realistically and imagine them snagging on each other and stopping each other from moving.

Maths Answers

Fluency

$6 \times 8 = 48$	$9 \times 4 = 36$
$9 \times 10 = 90$	$1 \times 8 = 8$
$2 \times 6 = 12$	$12 \times 6 = 72$
$7 \times 7 = 49$	$7 \times 9 = 63$
$8 \times 1 = 8$	$3 \times 10 = 30$
$9 \times 9 = 81$	$9 \times 6 = 54$
$12 \times 3 = 36$	$3 \times 4 = 12$
$10 \times 12 = 120$	$8 \times 8 = 64$
$8 \times 7 = 56$	$2 \times 7 = 14$
$3 \times 10 = 30$	$12 \times 11 = 132$
$5 \times 8 = 40$	$5 \times 5 = 25$



**Varied Fluency**

1)

a) 12, 12, 4, 3

b) 120, 120, 40, 30

c) 1200, 1200, 400, 300

**Reasoning/ Problem Solving**

1) This is false because they have all grown 24 cabbages each but in different ways.

Zeke's plot represents  $8 \times 3 = 24$ .

Emily's plot represents  $4 \times 6 = 24$ .

Amrit's plot has been split into

$5 \times 3 = 15$  and  $3 \times 3 = 9$ .  $15 + 9 = 24$ .