

Framework for Learning from Home – Year 5 2021 Week 7

在家学习大纲——2021 年第 5 年第 7 周

For some of the below activities you may need your parents help. Show each completed activity to your parents to check.
有些练习题你可能需要父母的帮助。将每个完成作业后给父母检查。

	Monday 23 th August	Tuesday 24 th August	Wednesday 25 th August	Thursday 26 th August	Friday 27 th August
Morning 上午	<p>English 英文</p> <p>Viewing/Reading: have a look at the stimulus below POBBLE 365 and write down 5 of your noticings. 查看/阅读: 查看 POBBLE 365 下方图片, 写下 5 项你注意到的事。</p> <p>Response/ Writing: Using this story starter for ‘Catching the Sun’. Remember to use your 7 Steps for Writing strategies to make your story engaging. answer these questions based on the stimulus.</p> <p>回应/写作: 用“捕捉太阳”作为题目开头。记住用 7 个写作步骤策略来使故事引人入胜。根据所提供的图片回答问题: <i>She had finally done it!</i> <i>She had finally trapped the sun...</i></p>	<p>English 英文</p> <p>Reading: 阅读</p> <p>Library ZOOM Session with Mr Philpott 10 am – Classes 5D, 5P, 5L and 5J 5D, 5P, 5L 和 5J 班与 Mr Philpott 阅读时间 Join Zoom Meeting https://nsweducation.zoom.us/j/68251668283?pwd=WE00dUY4eEV3enFKeWJ4VGlnQXY1Zz09</p> <p>10:30 am – Classes 5S, 5M and 5K 5S, 5M 和 5K 班与 Mr Philpott 阅读时间 Join Zoom Meeting https://nsweducation.zoom.us/j/68406478658?pwd=ME4dCtOQ2MwV2ozNzdJT1BU N25iZz09</p>	<p>English 英文</p> <p>Viewing/Reading : Read or listen to the news article of the day from 查看/阅读: 阅读或收听链接当天的新闻 https://www.kidsnews.com.au/ and complete the quick quiz related to it. Copy and paste the questions into your PowerPoint and complete them. 并完成与它相关的快速测验。将问题完成并粘贴到你的 PowerPoint 中。</p> <p>Response/Writing: Answer these questions based on the stimulus ‘Catching the Sun’.</p> <p>回应/写作: 根据图片“Catching the Sun” 回答这些问题: What has the woman used to catch the sun?</p>	<p>English 英文</p> <p>Viewing/Reading: Read the text “Working on a Crocodile Farm” from the August issue of Orbit school magazine. 查看/阅读: 阅读 Orbit 学校杂志 8 月号中的“在鳄鱼农场工作”一文。 https://drive.google.com/file/d/1ftKwQvrk-Yj_XZsdwZA1KiSt_b6WMlyq/view?usp=sharing</p> <p>Response/ Writing: Think about how the above story. Now it’s your turn to write a diary entry of a Crocodile Farm worker using the template below. 回应/写作: 想一想上故事的内容。</p>	<p>English 英文</p> <p>Viewing/Reading: Listen to the Squiz Kids daily podcast: 查看/阅读: 听 Squiz Kids 的每日播客: https://www.squizkids.com.au/</p> <p>Response/ Writing: Complete the following activities: 回应/写作: 完成以下练习: 1 Write the name of the podcast inc. episode name/number. 2 Write down three facts you learnt from the podcast. 3 Who would you recommend this podcast to? Why? 4 Rate this podcast out of 10. Why have you given it this rating?</p>

Grammar

Can you use similes or metaphors to describe the picture?

语法

你能用明喻或隐喻来描述这幅画吗?

你可以集中于如下在图画中的东西:

You could focus on the following things:

- Sun
- Snow
- Ground
- Trees
- Sky
- Clouds
- Chain

Spelling: Complete one page of Unit 25 below and the online activities for this week's unit.

拼写: 完成下面第 25 单元的一页和本周单元的在线练习。

www.soundwaveskids.com.au

Access code: sit815

there is an extension word list. Write a paragraph with at least 10 words from this Extension list. Find the dictionary meaning of at least 10 words.

扩展: 请注意, 有一个扩展词列表。从这个扩展列表中写一个至少包含 10 个单词的段落。找出至少 10 个单词的字典含义。

Mr Poulos' Persuasive Writing Lesson: Week 7 Part 1

Mr Poulos 写作课:
第 7 周第 1 部分

Topic- Is it worthwhile Hosting the Olympic Games?

主题-举办奥运会值得吗?

Watch the power point presentation Lesson 1 on Word Clines

观看 Word Clines 的

Power Point 演示第 1 课

Complete the Word Cline (word document) activity and upload on Teams.

完成 Word Cline (word 文档) 练习并上传到 Teams

.

How has she managed to trap it?

What is she doing in the picture?

What will she do with the sun now?

Why do humans and plants need the sun?

What would happen if the Earth was closer or further away from the sun?

What would happen if there was no sun?

1. 这位妇女用什么来追赶太阳?

2. 她是如何设法诱捕它的?

3. 图中她在做什么?

4. 她现在会用太阳做什么?

5. 人类和植物为什么需要晒太阳?

6. 如果地球离太阳更近或更远会发生什么?

7. 如果没有太阳会怎样?

Spelling: complete a task from the spelling grid using this week's soundwaves word list.

拼写: 使用本周的声波单词列表完成拼写网格中的任务。

Mr Poulos' Persuasive Writing Lesson: Week 7 Part 2

Mr Poulos 写作课: 第 7 周第 2 部分

然后使用以下模板撰写鳄鱼农场工人的日记。

Spelling: complete a task from the spelling grid using this week's soundwaves word list.

拼写: 使用本周的声波单词列表完成拼写中的单词练习。

Mr Poulos' Persuasive Writing Lesson: Week 7 Part 3 Mr Poulos 写作课

第 7 周第 3 部分

Write an exposition on the topic: **Is it**

worthwhile hosting the Olympic Games?

写一篇关于这个话题的论述: 举办奥运会值得吗?

写完后上传到 Teams

Upload on Teams.

1 写下播客公司的名称。剧集名称/编号。

2 写下你从播客中了解到的三个事实。

3 你会向谁推荐这个播客? 为什么?

4 给这个播客打分(满分 10 分)。你为什么打这个分数?

Soundwaves:

Complete one page of Unit 25 below and the online activities for this week's unit.

声波: 完成下面第 25 单元的一页和本周单元的在线活动。

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Access code: sit815

Optional Extension Activity 'Catching the Sun'


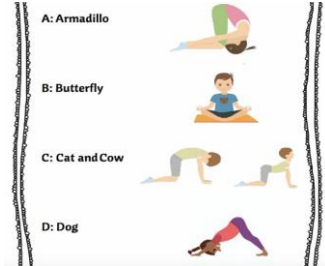
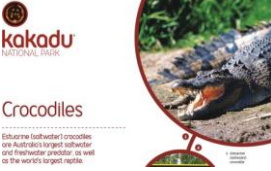
选做题:

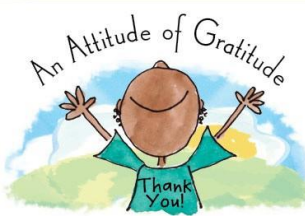

Write an explanation as to why the sun is so important to us. Draw a picture to show the importance of the sun.

写一篇解释文:

为什么太阳对我们那么如此重要。画一副图片显示太阳的重要性。

			<p>Watch the power point presentation Lesson 2. 观看演示文稿第2课。</p> <p>Before writing your Exposition Brainstorm with your family members or research the Advantages and Disadvantages of hosting the Olympic Games. Then decide whether you are FOR or AGAINST.</p> <p>在写下你的草稿前与家人一起撰写探讨举办奥运会的优势和劣势。然后决定你是支持还是反对。</p>		
Break	Break 小憩	Break 小憩	Break 小憩	Break 小憩	Break 小憩
Middle 午间	<p>Mathematics: 数学 Fractions Focus 分数焦点 Complete the worksheet Compare and Order Fractions. Remember to then login to iMaths and look at unit MA 12 and look at the consolidation and extension activities. 完成工作表比较和分数。记住登录 iMaths 并查看单元 MA 12 完成合并和扩展作业。</p>	<p>Mathematics: 数学 Fractions Focus Complete the worksheet Equivalent Fractions. Remember to then login to iMaths and look at unit MA 13 and try the consolidation and extension activities. Complete the HotMaths activities set by the teacher, including one HotSheet. 完成以上数学作业。</p>	<p>Mathematics: 数学 Fractions Focus Complete the worksheet Add and regroup Fractions. Then login to iMaths and look at unit MA14 and try the extension and consolidation activities. 完成以上数学作业。</p>	<p>Mathematics: 数学 Fractions Focus Complete the worksheet Add and Subtract Fractions. Then login to iMaths and look at unit MA15 to try textension and consolidation activities. 完成以上数学作业。</p>	<p>Mathematics: 数学 Complete the HotMaths activities set by the teacher, including at least one HotSheet. 完成以上老师设计的 HotMaths 作业, 你要至少一个 HotSheet 里的作业。</p>

	<p>Optional Extension Activity: Investigation Precision Planes 选做题 Please complete Steps 1, 2, 3 & 4. 完成 Step1-4 题</p> <p>Wellbeing/P.E- Fitness FMS 福祉/健身 Complete the P.E Workout by following along with: 18 min Low Impact Home Workout, The Body coach TV 18 Minute Low Impact Home Workout The Body Coach - YouTube Please have water handy when exercising. Find an appropriate space to exercise, free of hazards 注意安全，备好饮用水。</p>	<p>Optional Extension Activity: Investigation Precision Planes 选做题 Please complete Steps 5 & 6. 完成 Step 5-6 题</p> <p>Languages: please complete any Languages work set by your Languages teacher on your Languages Teams account. 完成中文作业</p> <p>Wellbeing/P.E- Fitness 福祉/健身 Aerobics 有氧运动 Complete the P.E Workout by following along with: 跟链接做运动 Have a Blast With This Family Fun Cardio Workout! - YouTube Please have water handy when exercising. Find an appropriate space to exercise, free of hazards 注意安全，备好饮用水。</p>	<p>Optional Extension Activity: Investigation Precision Planes 选做题 Please complete the Extension section. 完成扩展练习</p> <p>Wellbeing Wednesday 12:00 – 3:00 星期三福祉</p> <p>Try these activities with your family... 和家人一起尝试这些活动</p> <p>Do a virtual workout – some examples are Just Dance and GoNoodle</p>  <p>进行虚拟锻炼 - 例如 Just Dance 和 GoNoodle</p>	<p>Optional Extension Activity: Investigation Family Facts 选做题 Please complete Steps 1, 2, 3 & 4. 完成 Steps 1-4 练习</p> <p>Wellbeing/P.E- Fitness 福祉/健身 Yoga 瑜伽 Complete the following Alphabet Yoga 做瑜伽</p> <p>Can you make your name using Alphabet Yoga? Spend 1 minute in each pose.</p>  <p>Please have water handy when exercising. Find an appropriate space to exercise, free of hazards 注意安全，备好饮用水。</p>	 <p>Crocodiles Estuarine (saltwater) crocodiles are Australia's largest freshwater and saltwater predator, as well as the world's largest reptile.</p> <p>Today you are going to draw your very own detailed crocodile. Have fun. 今天要画你自己的鳄鱼。玩得开心。 <a href="https://www.youtube.com/watch?v=9tf-<u>ea_evhc</u>">https://www.youtube.com/watch?v=9tf-<u>ea_evhc</u></p>
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Break	Break 午休	Break午休	Break午休	Break午休	Break午休
After-noon 下午	Science:科学 Watch Reversible and Irreversible Changes. Your teacher will upload this via Clickview on Teams. 观看可逆和不可逆变化。老师将通过 Teams 上的 Clickview 上传此内容。 Read the instructions on Reversible and Irreversible Changes worksheet. 阅读有关可逆和不可逆变化工作表的说明。 For Question 2: Explore the interactive Changing Matter: Kitchen Detectives on Inquisitive. Use the following link: https://www.inquisitive.com/interactive/1906-changing-matter Then complete Questions 3,4 and 9.	BTN: Watch this week's BTN episode 看这周的BTN视频 https://www.abc.net.au/btn/ Choose a story that is of particular interest to you and complete the story report sheet below. 选择一个你特别感兴趣的故事并完成下面的故事报告表。	Write a list/draw some things you are grateful for 写一个清单/画一些你感激的事情  Play a board game with a family member 和家人一起玩棋子游戏 	Geography: Lifestyles of Asia 地理: 亚洲文化 1, Watch the 3 short videos on Inquisitive for the topic "Employment and Lifestyle" – Market Stall Holders of Thailand, Sherpas of Nepal and Sulphur Miners of Indonesia. 观看 Inquisitive 主题“就业与生活方式”的 3 个短片——泰国的市场摊主、尼泊尔的夏尔巴人和印度尼西亚的硫磺矿工。 Complete the PMI chart (Plus, Minus and Interesting) at the bottom of this framework for the three videos. 看完视频完成图表 2, Write True or False for the following questions using the table at the bottom of the framework. 用对/错回答问题: a) India produces more rice than China. b) Bangladesh produces more rice than Japan and the Philippines combined. c) Asia produces most of the world's rice. d) More than 800 million tonnes of rice is grown each year by the leading producers. 1. 3. Make a column or line graph for "Rice consumption per person in 2009" (information at bottom of framework).	Activities: Complete an activity from the "activities and ideas for home for parents of primary learners" sheet on the back page of this book let. 完成“小学生家长在家的活动和想法”表中的一项活动。 Catch-up: Finish any unfinished tasks from Monday – Thursday 完成没做完的作业 Optional Extension Activity: 选做题 Continue working on ZOO STEM challenge competition: https://taronga.org.au/education/digital-programs-online-resources/enrichment-design-competition

Catching the Sun



Unit 25



or ore a aw au horse core ball paw sauce

List Words

reporter
sure
drawn
haunted
crawling
broad
stories
storey
brought
cause
awful
quarter
force
course
thoughtful
taught
ought
sword
fortune
wardrobe
laundry
autograph
audience
applaud
applause

1 Colour the graphemes that represent or **ore** or **aw** or **au** in the List Words.

2 Go to the List Words for Unit 25. Count the sounds and identify all the graphemes in each List Word.

3 Write any other letters that can represent or **ore** or **aw** or **au** on the Grapheme Chart. Write one word example for each.

4 Colour words where you hear or **ore** or **aw** or **au** in each row.

or reported forceful worldly sailor

ore Oregon adore forest spore

a ballet although waterfall shallow

aw awfully awaken seaweed crawled

au aunt auction haunt because

ough draught draught laughter naughty

Grapheme Chart

grapheme	word



5 Write graphemes to represent or **ore** or **aw** or **au** to finish these List Words.

s_ _ br_ _ d t_ _ t qu_ _ ter appl_ _ d _ _ dience
c_ _ se _ _ t f_ _ tune l_ _ ndry appl_ _ se th_ _ tful
c_ _ se sw_ _ d h_ _ ntied br_ _ t w_ _ drobe _ _ tograph

6 Write the words in the box, beginning with the prefix **auto** and words built from the roots **audio** and **applaud**, to match these meanings. Use your dictionary.

★ The prefix **auto** means *self*, root **audio** means *hear*, and root **applaud** means *to clap*.

automatic applause autograph automobile audience audible applaud autobiography

a person's life story written by him or herself _____

person's name written by him or herself often as a signature _____

works by **itself** _____ motor vehicle moving by **itself** _____

can be **heard** _____ listeners at a concert _____

praise that can be **heard** (clapping) _____ (verb) _____ (noun)

7 Unjumble the words in brackets. Read the headings with the words below to decide the correct verbs.

Today the	Yesterday the	They have	They are still
students (hiknt)	students		
teachers (accetl)	teachers		
couriers (bgjnr)	couriers		
shoppers (yub)	shoppers		

- 8 Rewrite the sentence, changing the singular nouns to plurals. **Change** any other words to match.

➡ Go to Helpful Hints **3**, **4** and **23**.

On Friday the librarian reads a story to the child on the fourth storey of the library in the city.

- 9 Fill in the empty sound boxes to represent the sounds you hear in each underlined word.

We kept a record of the weather for a month. (r r r w r) (k c q ck xis ch) (or ore a aw au) (d dd)

It is my turn to record today's weather. (r r r w r) (k c q ck xis ch) (or ore a aw au) (d dd)

The cause of the accident was unknown. (k c q ck xis ch) (or ore a aw au)

The horses galloped around the racecourse. (k c q ck xis ch) (or ore a aw au)

- 10 Write words from the brackets to finish the sentences.

Are you _____ you can see the sea _____ from here? (shore, sure)

I saw a wild _____ trying to _____ a hole through the floor. (boar, bore)

The ladies tried to _____ the position of the _____ in the church. (altar, alter)

We yelled ourselves _____ at the _____ races. (hoarse, horse)

The adventurers plan to set _____ on the _____ day of Autumn. (forth, fourth)

The _____ boy wiggled the loose _____ while he waited. (board, bored)

The author moved _____ to autograph his book below the _____ (foreword, forward)

_____ a great friend because _____ willing to share _____ pencils. (your, you're)

- 11 Complete the table. ➡ Go to Helpful Hint **11**

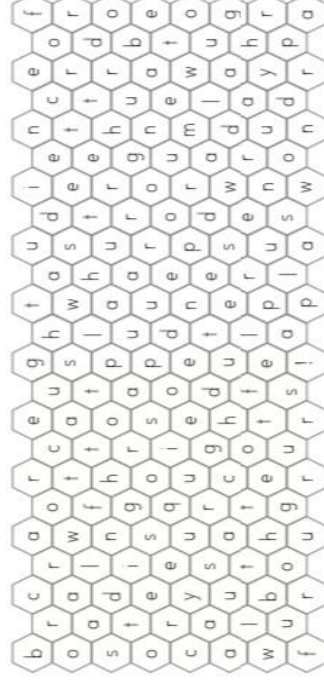
Adjectives (describing 1)	Comparatives (comparing 2)	Superlatives (comparing 3 or more)
My work is good .	Your work is _____	His is the _____
This job is bad .	This job is even _____	That job is the _____
I haven't got much money .	You have _____	She has the _____
The creek is quite broad .	The stream is _____	The river is the _____

Challenge

Join letters to form every List Word in the Word Search using a pencil. **Colour** the words different colours to find the Hidden Word.

★ Letters forming words can be joined in any direction. No letter is shared by words.

Hidden Word _____



Word Work Grid

Complete each of the activities in this grid. Write the date you completed each activity on the line provided.

<p style="text-align: center;">Syllable Sort</p> <p>Write your spelling words in order from the least amount of syllables to the most. Words with the same number of syllables should be in alphabetical order.</p> <p>Date: _____</p>	<p style="text-align: center;">Odd One Out</p> <p>For each of your spelling words, write four words. One is your spelling word, two relate to your spelling word and one is the odd word out that doesn't fit with the other two.</p> <p>Date: _____</p>	<p style="text-align: center;">Wacky Words</p> <p>On a sheet of paper, write your spelling words in different directions, filling up the whole sheet. Use different colours and types of writing for each word.</p> <p>Date: _____</p>	<p style="text-align: center;">Word Detective</p> <p>Write three clues about each of your spelling words. Ask someone to try to guess your spelling words using your clues.</p> <p>Date: _____</p>	<p style="text-align: center;">Digging in the Dictionary</p> <p>Use a dictionary to find the definition and write a sentence for each of your spelling words.</p> <p>Date: _____</p>
<p style="text-align: center;">Rhyming Wheels</p> <p>Think of as many words as you can that rhyme with your spelling words.</p> <p>Date: _____</p>	<p style="text-align: center;">Alliteration</p> <p>Write a sentence for each of your spelling words using as much alliteration as possible.</p> <p>Date: _____</p>	<p style="text-align: center;">Sentence Smart</p> <p>Write a sentence for each of your spelling words.</p> <p>Date: _____</p>	<p style="text-align: center;">Story Time</p> <p>Write a story using as many of your spelling words as you can. Underline each of your spelling words.</p> <p>Date: _____</p>	<p style="text-align: center;">Sort Them Out</p> <p>Sort the words on your spelling list into three different categories of your choice.</p> <p>Date: _____</p>
<p style="text-align: center;">Word Search</p> <p>Create your own word search using all the words on your spelling list.</p> <p>Date: _____</p>	<p style="text-align: center;">Handwriting Hero</p> <p>Write out your spelling words in your very best cursive hand writing.</p> <p>Date: _____</p>	<p style="text-align: center;">Letter Lingo</p> <p>Write a letter to a friend. Use as many spelling words in your letter as you can.</p> <p>Date: _____</p>	<p style="text-align: center;">Words Within Words</p> <p>Make a list of as many smaller words as you can find from your spelling list.</p> <p>Date: _____</p>	<p style="text-align: center;">Code Breaker</p> <p>Use the code guide to make a code for each of your spelling words.</p> <p>Date: _____</p>



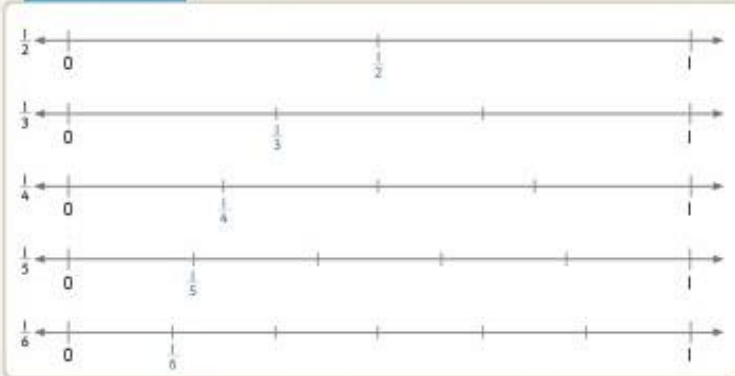
NA12 Compare and order fractions

Compare and order **unit fractions** to see if any patterns can be found. Locate them on a number line to help understand them.



Language reminder

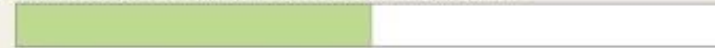
Unit fractions are fractions with one as the numerator. $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ and so on... are unit fractions.



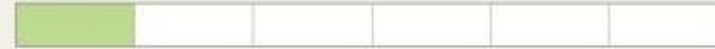
Try this

1 Compare the unit fractions above. What do you notice about the value of the fraction as the denominator increases?

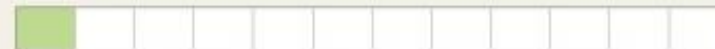
2 Describe the fractions below. The first one is done for you as an example.



a $\frac{1}{2}$ is one part out of two parts.



b



c



d

3 Use a calculator to show unit fractions from $\frac{1}{2}$ to $\frac{1}{10}$ in decimal form. For example, $\frac{1}{2}$ is $1 \div 2 = 0.5$. Some unit fractions may need to be rounded to two decimal places.



a $\frac{1}{2}$ is $1 \div 2 = 0.5$

b $\frac{1}{3}$ is $\square \div \square = \square$

c $\frac{1}{4}$ is $\square \div \square = \square$

d $\frac{1}{5}$ is $\square \div \square = \square$

e $\frac{1}{6}$ is $\square \div \square = \square$

f $\frac{1}{7}$ is $\square \div \square = \square$

g $\frac{1}{8}$ is $\square \div \square = \square$

h $\frac{1}{9}$ is $\square \div \square = \square$

i $\frac{1}{10}$ is $\square \div \square = \square$

4 Mark all the fractions listed below on this blank number line.

Show any working and explain how you chose where to place your marks.

- a $\frac{1}{2}$ b $\frac{1}{3}$ c $\frac{1}{4}$ d $\frac{1}{6}$ e $\frac{1}{12}$



★ Challenge

Keep halving: $\frac{1}{2}$ of a $\frac{1}{2}$ of a $\frac{1}{2}$ of a $\frac{1}{2}$ and so on... I wonder what happens?

Try $\square \div \square \div \square \div \square \div \square$ on a calculator to find out.

"G?PW MD ? APMAMBGJC D?PK UMPICP

Complete the sentences below to help you write a diary entry for a crocodile farm worker on his or her first day on the job.

When I first walked through the gates of the crocodile farm, I felt .

I could hear

I could see

The first thing I had to do was

It went (e.g. well/badly)

because

Then later, I

At the end of the day, I felt

because

My first day as a crocodile farm worker was over!



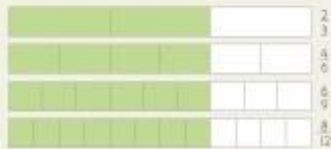
NA13 Equivalent fractions

We're going camping. Mum says I have to give each member of our family half a loaf of bread, but we don't all like our bread sliced the same way. No matter how I slice these loaves, each of us will receive the same amount!



These fractions have the same value. We call them **equivalent fractions**.

You and your friends have been rationed to $\frac{2}{3}$ of a chocolate bar each (shown here as a fraction wall).



The shaded part of each chocolate bar shows you that the same fraction can have different names.

$$\frac{2}{3} = \frac{4}{6} = \frac{8}{12}$$

Try this

- 1 Colour part of each row to show fractions equivalent to $\frac{1}{3}$. Write the equivalent fraction symbols.

		$\frac{1}{3}$
a		$\frac{\quad}{\quad}$
b		$\frac{\quad}{\quad}$
c		$\frac{\quad}{\quad}$

$\frac{1}{3} = \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

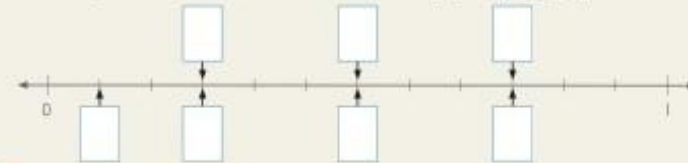
- 2 Write fractions beside each pair of equivalent fraction models. The first pair is done for you.

Topic NA13

- 3 Put the following fractions in the correct box on the number line. $\frac{1}{4}$ $\frac{3}{4}$ $\frac{1}{2}$



- 4 Put the following fractions in the correct box on the number line. $\frac{1}{12}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{3}{4}$ $\frac{3}{12}$ $\frac{9}{12}$ $\frac{8}{12}$



Problem solving task

Drink think: Ben and Max each bought a bottle of fruit juice. Ben drank $\frac{1}{4}$ of his drink, while Max drank some of his and had $\frac{1}{4}$ left. Use the diagrams to show how much fruit juice was left in each bottle. Use the space provided in *Maths 5 Tracker Book* to work out your answer.



Challenge

Fractions in disguise: You can multiply a fraction by one ($\frac{2}{2}$ $\frac{3}{3}$ $\frac{4}{4}$...) without changing its value, just its appearance. For example: $\frac{1}{2} \times \frac{2}{2} = \frac{2}{4}$ $\frac{1}{3} \times \frac{2}{2} = \frac{2}{6}$ $\frac{2}{3} \times \frac{4}{4} = \frac{8}{12}$. The new fractions all have the same value. They are equivalent. Work out five equivalent fractions for each.

$1 \frac{1}{4}$ $2 \frac{2}{6}$ $3 \frac{3}{5}$ $4 \frac{4}{7}$ $5 \frac{5}{9}$



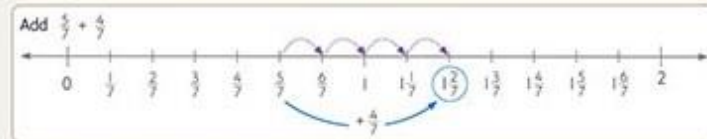
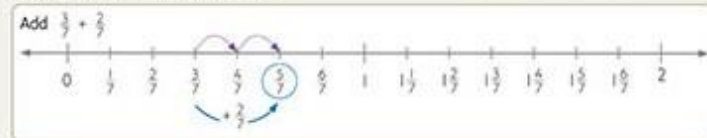
NA14 Add and regroup fractions



Fractions are parts of a whole. You can use a number line or a written method to add fractions.



1. Using a number line to add fractions.



2. Using a written method to add fractions.

No regrouping needed
 $\frac{3}{5} + \frac{2}{5} = \frac{5}{5}$

Regrouping with fractions remaining
 $\frac{5}{7} + \frac{4}{7} = \frac{9}{7} = 1\frac{2}{7}$

Because $\frac{7}{7}$ is 1, and $\frac{2}{7}$ left.

Try this

1 Use the number line to add $2\frac{1}{5} + \frac{3}{5}$



2. Add these fractions.

a $\frac{3}{5} + \frac{1}{5} = \frac{\square}{\square}$

b $\frac{7}{10} + \frac{3}{10} = \frac{\square}{\square} = \square$
 Because $\frac{\square}{\square}$ is 1

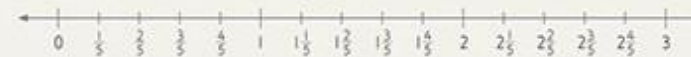
c $\frac{4}{8} + \frac{5}{8} = \frac{\square}{\square} = \frac{\square}{\square}$
 Because $\frac{\square}{\square}$ is 1 and $\frac{\square}{\square}$ left

d $1\frac{2}{3} + 4\frac{2}{3} = \frac{\square}{\square} = \frac{\square}{\square}$
 Because $\frac{\square}{\square}$ is 1 and $\frac{\square}{\square}$ left



Topic NA14

3 Use the number line to add these fractions: $1\frac{3}{5} + \frac{4}{5}$



4 Construct a number line to add these fractions: $2\frac{2}{3} + \frac{2}{3}$



5 Add these fractions.

a $\frac{4}{5} + \frac{3}{5} = \square = \square$

b $1\frac{7}{9} + 5\frac{5}{9} = \square = \square$

c $\frac{4}{8} + 1\frac{6}{8} = \square = \square$

d $4\frac{11}{20} + 3\frac{9}{20} = \square = \square$

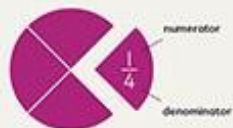
Challenge

Make ten: What fraction must be added to each of these fractions to make a total of 10?

- 1 $4\frac{3}{5}$ 2 $1\frac{1}{2}$ 3 $7\frac{1}{7}$ 4 $4\frac{1}{6}$ 5 $5\frac{2}{3}$



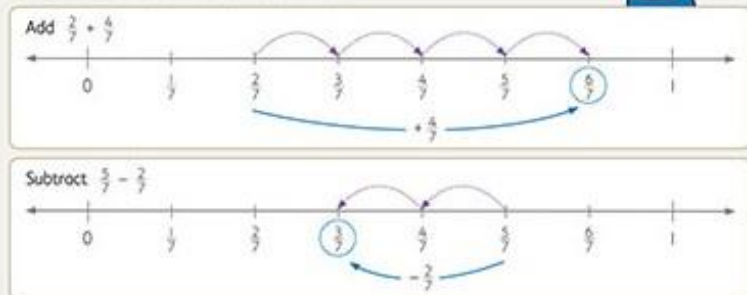
NA15 Add and subtract fractions



A fraction is a part of a whole number. When fractions are added or subtracted they can only be calculated if the denominators are the same. You can use a number line or a written method.



1. Use a number line to add and subtract fractions.



2. Use a written method to add and subtract fractions.

<p>Addition</p> $\frac{2}{3} + \frac{1}{3} = \frac{3}{3}$	<p>Subtraction</p> $\frac{5}{9} - \frac{2}{9} = \frac{3}{9}$
--	---

Try this

1 Use the number line to add and subtract these fractions.

a $\frac{3}{11} + \frac{3}{11}$

b $\frac{9}{11} - \frac{2}{11}$



2 She was telling the truth, so what was her reply? To find out, add or subtract the fractions then write the letters that match the answers in the correct boxes below.

$\frac{2}{9} + \frac{6}{9} =$	$\frac{1}{5} + \frac{1}{5} =$	$\frac{5}{12} + \frac{6}{12} =$	$\frac{4}{9} + \frac{2}{9} =$	$\frac{3}{8} + \frac{2}{8} =$
G	Y	N	S	I
$\frac{4}{5} - \frac{1}{5} =$	$\frac{6}{8} - \frac{3}{8} =$	$\frac{8}{9} - \frac{1}{9} =$	$\frac{10}{12} - \frac{8}{12} =$	
D	T	O	M	

$\frac{6}{9}$	$\frac{3}{9}$	$\frac{6}{9}$	$\frac{11}{12}$	$\frac{7}{9}$	$\frac{3}{6}$	$\frac{1}{12}$	$\frac{2}{5}$	$\frac{3}{5}$	$\frac{7}{9}$	$\frac{6}{8}$

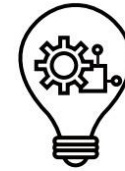
3 Complete these fraction models.

a	$\frac{4}{10} + \frac{3}{10} =$
b	$\frac{2}{10} + \frac{5}{10} =$
c	$\frac{1}{4} + \frac{3}{4} =$
d	$\frac{1}{4} + \frac{1}{4} =$

Challenge

Rehydrate: A hiker carries two 500 mL drink bottles. One is $\frac{2}{3}$ full of water and the other is $\frac{1}{3}$ full. How much water is needed to refill them?

PRECISION *planes*

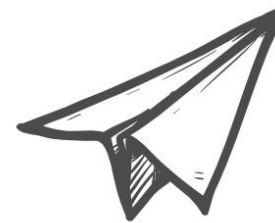


You will need:

Pencil and paper

Paper for paper planes

1. Make 5 paper planes.
2. Fly the 5 paper planes down a corridor and mark each landing with an X. Consider marking X at the first point of contact or where the paper plane stops. Be consistent.
3. Measure the distance travelled of each plane.
4. Record the distance of each plane in centimetres.
5. Draw a table to show the difference of each plane flight and the total distance of all 5 planes.
6. Create two graphs to display the results. Explain which graph is the most suitable for displaying the data.
- Extension:** Complete Step 1, Step 2 and Step 3 again. This time calculate the speed of each paper plane.



FAMILY facts



You will need:

Pencil and paper

Ruler or informal measuring device

- 1. Measure the height of your family members.
- 2. Round these heights to the nearest centimetre.
- 3. Show the obtained data in a clear table and graph your findings.
- 4. Work out the average height.
- 5. Use this information to calculate how many times your family members could stretch around the equator (head to toe).

- Extension:** Choose 1 measured height. This 1 measured height is 'family member A'. If the heights were accumulated to one length, what fraction of length would 'family member A' represent?
What is this as a percentage?

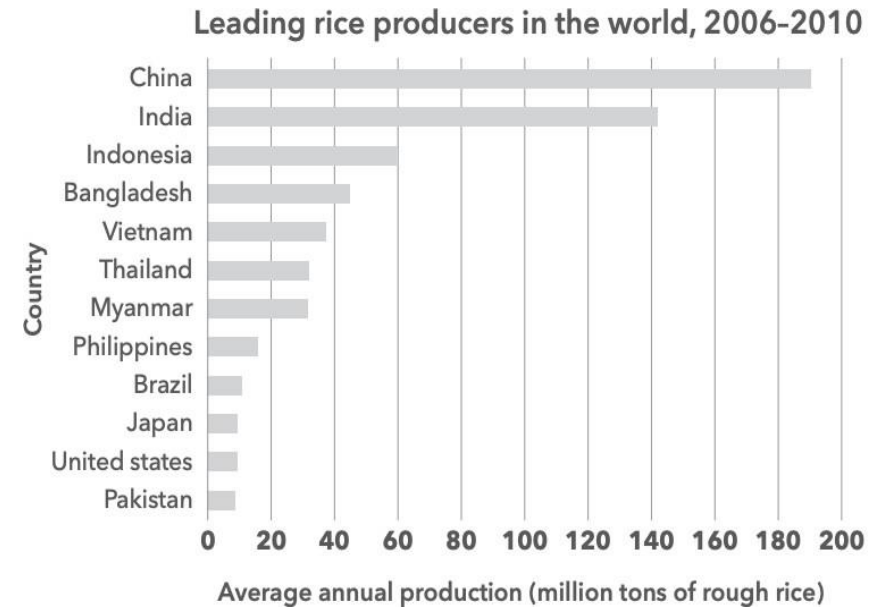


Question 1

Geography:

	Plus	Minus	Interesting
Market Stall holders of Thailand			
Sherpas of Nepal			
Sulphur miners of Indonesia			

Question 2



Question 3

China: 76 kg
 Bangladesh: 174kg
 Vietnam 142kg
 Russia: 5kg

Myanmar: 141kg
 Pakistan: 17kg
 Myanmar: 141kg
 Japan: 54kg

Thailand 133kg
 Iran: 23kg
 North Korea: 77kg

2



Explore the interactive Changing Matter: Kitchen Detectives.

<http://inq.co/class/spr> code: 3761

3

a Choose one reversible change you observed happening in the kitchen. Explain why it is reversible.

_____ is a reversible change
because _____

b Choose one irreversible change you observed happening in the kitchen. Explain why it is irreversible.

_____ is an irreversible change
because _____

Matter is the word we give to all the different substances in the world. One way we can change matter is by heating it up or cooling it down.

Some changes are **reversible**. We can get the original matter back again.

Out of the freezer, ice cream can melt and become liquid. We can make it solid again by putting it back in the freezer.



Sometimes heating matter causes an **irreversible** change. We can't get the original matter back again, because a new substance has been formed.

Heating eggs in a fry pan turns the runny egg white into a solid mass. We can't get the original runny egg white back again.



4

What irreversible changes can you see happening in this photo?



Which reversible change do you think might happen?

We don't always need heat to make an irreversible change. Often, just mixing two substances together produces an irreversible change as a **new substance** is formed. This kind of change is called a **chemical reaction**.



5

Investigation: A rubber egg!

Step 1: You will need 1 egg, a clear glass or plastic cup, 200ml white vinegar

9

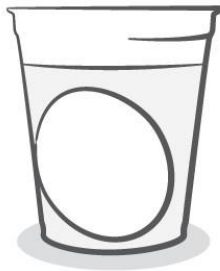
Step 2: Place the egg in the cup and cover it with vinegar.



Predict: What do you think will happen to the egg?

Observe: Complete the diagrams that show what has happened to the egg:

a after a few minutes



b after one day



Explain: What type of change has happened to the egg? Has a new substance been formed? _____

How can you tell?

STORY REPORT



STORY TITLE:

PURPOSE OF THE STORY: *CIRCLE THE AUTHOR'S PURPOSE*



ENTERTAIN PERSUADE INFORM
EXPLAIN DESCRIBE

RATE THE STORY OUT OF 5 STARS



STORY LENGTH:



REPORTER:

STORY TOPIC:

REPORTERS OFTEN QUOTE OR INTERVIEW EXPERTS

STORIES CAN BE CATEGORISED INTO TOPICS OR SUBJECTS

NAME THE EXPERTS IN THIS STORY & SUMMARISE THEIR KEY POINTS

DIGITAL TECHNOLOGY & STEM	NATURAL DISASTERS	ENVIRONMENTAL ISSUES
AUSTRALIAN HISTORY	WAR HISTORY	SUSTAINABILITY
ANIMALS	GLOBAL CITIZENSHIP	INDIGENOUS CULTURE
HEALTH & WELLBEING	SPACE / SCIENCE	BELIEFS & FESTIVALS

COLOUR THE BOX (OR BOXES) TO SHOW HOW THIS STORY COULD BE CATERGORISED

STORY SUMMARY:

A QUESTION I HAVE:

EMOTIONS:

STORIES CAN EVOKE EMOTION. HOW DID THIS STORY MAKE YOU FEEL?



DRAW AN EMOJI

VISUAL TEXT ELEMENTS USED IN THIS STORY:

FILL THE TABLE WITH A OR A

	INTERVIEWS		PHOTOGRAPHS
	STILL IMAGES		MOVING IMAGES
	CAPTIONS		CHARTS
	ANIMATIONS		DIAGRAMS
	TABLES		MAPS

TWO THINGS I LEARN FROM THIS STORY:



BTN

BEHIND THE NEWS