

Framework for Learning from Home – Year 5 2021 Term 4 Week 3


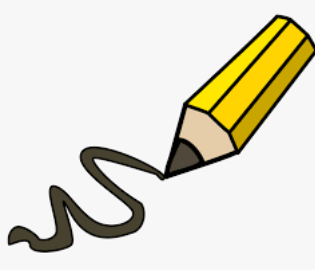

居家学习大纲 - 2021 年第 5 学年第 4 学期第 3 周


For some of the below activities you may need your parents help. Show each completed activity to your parents to check.

	Monday 18 th October	Tuesday 19 th October	Wednesday 20 th October	Thursday 21 st October	Friday 22 nd October
Morning 上午	English 英文 Reading: Language Please complete the Language Forms activity that is assigned as a separate assignment for today. 阅读: 完成老师布置的作业 Spelling: Complete one page of Unit 31 below and the online activities for this week's unit. 完成单字词拼写作业 www.soundwaveskids.com.au Access code: sit815 Extension: Please note, there is an extension word list. Write a paragraph with at least 10 words from this Extension list. Find the	English 英文 Reading: Library ZOOM Session with Mr Philpott 图书馆老师上课时间: 10 am – Classes 5D, 5P, 5L and 5J Join Zoom Meeting https://nsweducation.zoom.us/j/68251668283?pwd=WE00dUY4eEV3enFKeWJ4VGlnQXY1Zz09 10:30 am – Classes 5S, 5M and 5K Join Zoom Meeting https://nsweducation.zoom.us/j/68406478658?pwd=ME4dCtOQ2MwV2ozNzdJT1BUZ25iZz09	English 英文 Reading: 阅读理解 Comprehension Please complete the reading comprehension activity that is assigned as a separate assignment for today. 完成今天老师布置的阅读理解作业。 Spelling: complete a task from the spelling choice board using this week's soundwaves word list. 拼写: 使用本周的单词列表拼写选择板上的一项作业。	English 英文 Oral Reading: Please complete the Oral reading activity that is assigned as a separate assignment for today. 口语阅读: 完成今天作布置的口语阅读练习。 Viewing/Reading: Read the poem "A glass slipper.com" from the October issue of Orbit School Magazine  https://drive.google.com/file/d/1E1HcdBGZgyOTFGIW62OKioiMl8kVRUi9/view?usp=sharing 查看/阅读: 阅读 Orbit School 杂志十月刊中的诗"A glass Slipper.com"	English 英文 Viewing/Reading: Listen to podcast 收听播客 https://www.historystorytime.com Choose an episode which looks interesting to you. 读一本你感兴趣的书中的一章节 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?

	<p>dictionary meaning of at least 10 words.</p> <p>扩展：从单词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。</p>	<p>Informative Writing Lesson: Week 3 Lesson 1 Look at PowerPoint and video instructions.</p> <p>信息文体写作课：第 3 周第 1 课。查看 PowerPoint 和视频说明。</p> <p>Today we will be looking at the grammar features of informative texts, specifically general and technical nouns. You will have to look at the examples and listen as Mrs Kakakios explains the grammar features to you.</p> <p>听 Mrs Kakakios 的解释</p> <p>Please complete the 2 activities that are included in the EAL/D PowerPoint.</p> <p>完成 PPT 中的两项练习</p> <p>You will then have to brainstorm your ideas for the topic: Types of Matter.</p> <p>然后，你必须针对以下主题集思广益：事物的类型</p>	<p>Informative Writing Lesson: Week 3 Lesson 2 信息文体写作课：第 3 周第 2 课。</p> <p>Today we will be looking at the structure of an explanation - informative text.</p> <p>You will have to look at the example text and listen as Mrs Synnott explains the features of it to you.</p> <p>你需要听 Mrs Synnott 解释</p> <p>Using your brainstorm from yesterday, you need to start your writing for topic: Types of Matter.</p> <p>利用昨天对题目事物的类型的思考开始写作</p> <p>Make sure you use the checklist to ensure you have included everything you need and make sure you either take a photo and upload it to Teams or upload your digital copy.</p> <p>使用检查清单确保已包含所需的一切，并拍摄照片并上传到 Teams 或上传你的数字副本。</p>	<p>Response/Writing: After reading the poem- which is a fractured fairytale based on a traditional fairytale of Cinderella https://sites.pitt.edu/~dash/grimm021.html 回应/写作：读完这首诗后—这是一个基于灰姑娘传统童话的破碎童话</p> <p>Complete the two tables in the worksheet –Choose a fairytale you would like to fracture. Think carefully about the characters. 完成工作表中的两个表格。选择一个童话故事。仔细想想人物。</p> <p>Viewing/Reading: OC Classes to Complete</p> <p>Read the article “Our Stories Female Convicts in Parramatta” from the October Issue of Touchdown School Magazine. 阅读学校杂志十月刊中的文章“我们的故事 Parramatta 女囚犯”。</p>  <p>https://drive.google.com/file/d/1j9v_WWO5_dki5y6AUj-</p>	<p>4 Rate this podcast out of 10. Why have you given it this rating?</p> <p>Soundwaves: Complete one page of Unit 31 below and the online activities for this week's unit. www.soundwaveskids.com.au Access code: sit815</p> <p>声波：完成下面第 31 单元的一页和本周单元的在线练习。</p>
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				aNi0i0jbX7Oyd/view?usp=s haring Response/Writing: 写作 Summarise the text by listing between 2 and 4 important points under each section on the worksheet. 在工作表的每个部分下列出 2 到 4 个要点来总结文本 Spelling: complete a task from the spelling grid using this week's soundwaves word list. 完成拼写作业	
Break	Break 小憩	Break 小憩	Break 小憩	Break 小憩	Break 小憩
Middle 中段	Mathematics: 数字 Angle: 角 Complete the worksheet Measure Angles 完成练习题度量角 Optional Extension Activity: 选做题 Angles Around a Point: To be successful with this task you need to know that the angles around a point make a circle and add up to 360 degrees. 围绕一个点的角度: 要成功完成此任务, 你需要知道围绕一个点的角度构成一个圆并加起来为 360 度。	Mathematics: 小憩 Complete the HotMaths activities set by the teacher. 完成 HotMaths 练习 Optional Extension: 选做题 Strengthen Angles Around a Point: To complete this set of questions you need to know a straight line is 180 degrees as well as a circle making 360. 加强点周围的角度: 要完成这组问题, 你需要知道一条直线是 180 度以及一个 360 度的圆。 Languages: please complete any Languages	Mathematics: 小憩 Compass Points Complete the worksheet Compass Points 完成数学作业 Wellbeing Wednesday 12:00 – 2:00pm 福利时间 Try these activities with your family... 与家人一起活动 Design an exercise routine. See if you can get members of your family to do it too. 设计一个运动练习与你的家人互动。	Mathematics: 小憩 Complete the HotMaths Topic Test set by the teacher. 完成老师布置的数学作业 Optional Extension: 选做题 Over today and tomorrow have a go at creating your own treasure map using compass directions to locate the treasure. Look at the example below. 在这两天, 使用指南针方向来创建自己的藏宝图以定位宝藏。参看下面的例子。	Mathematics: 小憩 Fractions Complete the worksheet Add and Subtract Fractions 完成数学作业 Optional Extension: 选做题: Complete your treasure map with directions, post to some friends/your class on teams to see if they can follow the map. 完成藏宝图作业 Languages: Please complete any Languages work set by

	<p>Wellbeing/P.E- Fitness PE- Kids Workout for Beginners with Moe Jones https://www.youtube.com/watch?v=L_A_HjHZxfl Find a space free from any hazards when exercising, have a bottle of water handy. Have Fun!</p>	<p>work set by your Languages teacher on your Languages Teams account. 中文学习时间 Wellbeing/P.E- Fitness Yoga: Be Flexible Animal Yoga with Koya Webb Click on the link below: https://www.youtube.com/watch?v=0XpqNAWnfTo&hl=en-GB Find a space free from any hazards when exercising, have a bottle of water handy. Have Fun!</p>	 <p>Play alphabet bingo. Can you spot an item in your home or garden that starts with the letters a,b, C and so on? 玩字游戏。 你能在家里或花园中发现以字母 a、b、c 等开头的物品吗?</p> 	<p>Wellbeing/P.E- Fitness Dance: 健身, 跳舞 Easy Dance Routine - (Hip Hop Dance Tutorial AGES 5+) MihranTV . 简易健身舞 Click on the link below and learn the Hip Hop dance routine. 点击链接跟着跳 https://www.youtube.com/watch?v=0B1uJG WKxCg Find a space free from any hazards when exercising, have a bottle of water handy. Have Fun! 注意安全</p>	<p>your Languages teacher on your Languages Teams account. 完成中文作业 Creative Arts 美术 Using the themes of “happiness” and “freedom” create an artwork using a variety of medium to depict various images and symbols to represent what happiness and freedom means to you. The young girl’s Artwork below may provide you with some inspiration when creating your Artwork. You may also like to incorporate some text.</p>  <p>用“幸福”、“自由”为题创作你的图画。以上图画供你参考。</p>
Break	Break	Break	Break	Break	Break

<p>After-noon</p>	<p>Science: 科学 We are continuing with Unit 2 Properties of Materials- Building a Better Bike. 我们将继续学习第 2 单元材料特性——制造更好的自行车。 Please complete 完成以下作业: Questions 8 and 9 on page 6, Questions 11 and 12 on page 8 on the worksheet attached. We will be learning about the different materials used to make a bike helmet. You will then use the guided research links to design specialty bikes for different weather conditions. You may need to use the Inquisitive link: http://inq.co/class/spz code: 3761</p>	<p>BTN: Watch this week's BTN episode 点击链接观看本周 BTN 剧集。 https://www.abc.net.au/btn/ Choose a story that is of particular interest to you and complete the story report sheet below.</p>	<p>Make someone in your house a snack or drink 为家人做小吃</p> 	<p>Geography: 地理 Over the next two weeks we will be looking at the topic "Who's in Our Squad?" 在接下来的两周里，我们将关注“我们的小队里有谁？”这个话题。 This particularly looks at what special connections Australia has with other countries around the world. 这特别着眼于澳大利亚与世界其他国家的特殊联系。 Complete pages 2,3 and 4 of 'Who's In Our Squad?' on Inquisitive. There are accompanying videos and websites so please refer to the link below. Pages are also available at the bottom of this framework. 完成“谁在我们的小队？”的第 2, 3 和 4 页。请参阅下面的链接。 https://www.inquisitive.co/m/class/spz/login Password : 3297</p>	<p>PD/H/PE: Road Safety 道路安全 Visit Safety Town and complete the On Your Bike' and Helmet Safety' activities. Write 3 facts or tips you have learnt about pedestrian safety. 参观安全小镇并完成“骑自行车”和“头盔安全”活动。写下你了解到的有关行人安全的 3 个事实或提示。 https://www.safetytown.com.au/town/student/stage-3/#map Activities: Complete an activity from the “activities and ideas for home for parents of primary learners” sheet on the back page of this booklet. 活动：完成手册封底“小学生家长在家的活动和想法”表中的一项练习。 Catch-up: Finish any unfinished tasks from Monday –Thursday 完成本周所以作业。</p>
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Art Activity Friday 星期五美术课作业





**Tick the box
each time
you do an
activity**

Spelling Choice Board

Even and Odd

Write all of your spelling words that have an odd number of letters in one color and the spelling words that have an even number of letters in another color.

☐ ☐ ☐

Scratch Words

Create a one page **Scratch Jr.** animation using as many spelling words as you can. Save your Scratch and upload to **Showbie**.

☐ ☐ ☐

Bubble Letters

Write each of your spelling words in bubble letters.
Example: SPELLING

SPELLING

☐ ☐ ☐

Poplet

Create a **Poplet** of 5 of your spelling words using definitions and photos to illustrate your words meaning. Take a snapshot and upload to **Showbie**.

☐ ☐ ☐

Stair Spelling

Write your words in stairs. It may help to use graph paper.

Example:

s
st
sta
stai

stair ☐ ☐ ☐

Spelling Train

Write your spelling words in one long line with no spaces in between. Use a different color for each word. You can make your line curve so that all the words will fit on a page.

☐ ☐ ☐

Photo Words

Take a photo of a page in a book and using **Mark Up** highlight any spelling words you find. Then upload the photo to **Showbie**.

☐ ☐ ☐

Syllable Count

Write each of your spelling words. Then divide each word into syllables and write the total number of syllables in each word.

Eg: spelling spell/ing 2

☐ ☐ ☐

Story Creator

Use **Story Creator app** to write a story using as many spelling words as possible. Be sure to illustrate it and record your voice reading it.

☐ ☐ ☐

He Said, She Said

Write a sentence for each of your spelling words. Each sentence must contain quotation marks. Don't forget to underline the spelling words.

☐ ☐ ☐

Word Parts

Color code your words:
prefixes = red
suffixes = blue
bases = green
eg. prescription - **prescription**

☐ ☐ ☐

Even and Odd

Write all of your spelling words that have an odd number of letters in one color and the spelling words that have an even number of letters in another color.

☐ ☐ ☐

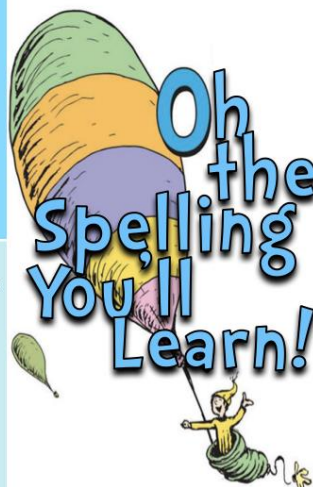
Other Hand

Write your spelling words with the hand you normally write with. Then write them again with the other hand.


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Double Word Sentences

Write sentences with two spelling words in each sentence. Don't forget to underline the spelling words.

☐ ☐ ☐


Semester Two

 **ou ow** cloud flower




List Words

Flour
towel
noun
wound
outback
powder
bounce
counter
however
drowned
crowded
fountain
account
discount
surround
pronoun
pronounce
announce
glowance
compound
drought
doubt
powerful
bough
thousandth

- 1 **Colour** the graphemes that represent **oa** in the List Words.
- 2 **Go** to the List Words for Unit 31. **Count** the sounds and identify all the graphemes in each List Word.
- 3 **Write** any other letters that can represent **oa** on the Grapheme Chart. **Write** one word example for each.

[illegible]

- 4 Colour all the words where you hear **ou** 
- | | | | |
|-------------|-----------|-----------|----|
| floury | mourn | doubtful | |
| blown | powdered | allowed | |
| thoughtless | towelling | plough | co |
| course | honour | mountain | pr |
| surrounding | elbow | encourage | |

5. Write List Words that include the following graphemes to fit on the lines.

— DU — — DW — — DU — — Dugh — — DW —
DU DW DW DU DU

- 5 Write List Words to rhyme with these words.

power _____ dowl _____ haw _____ louder _____
sprout _____ recount _____
downed _____
pounce _____

- 7 Rewrite these List Words adding the graphemes for  **new**

itback _____	ceded _____	Enjoin _____
chri _____	alliance _____	thousandth _____
dt _____	brice _____	compnd _____
flr _____	however _____	discont _____
tel _____	sumnd _____	pronnce _____

- Write the homographs represented by the sound boxes. Write the words again, in the sentences with their numbers to show where the different pronunciations fit.**

$\frac{7}{8}$ TITAN $\frac{1}{2}$ ROSS $\frac{1}{2}$ WOOD $\frac{1}{2}$ TITAN $\frac{1}{2}$ WOOD $\frac{1}{2}$

The boys nearly had a _____ over who would be the first to _____ their new boat.

_____ (1) _____ (2)

The old _____ () was used to _____ () the baby lambs during winter.

web site name doi (1) web site name doi (2)

Mum _____ a clean bandage over the _____ on my leg from the bike crash.

- 9 **Rewrite** these sentences changing the verbs to the past tense. **Adjust** any other words where necessary.

Now we wind up the ropes to put away.

Last week we

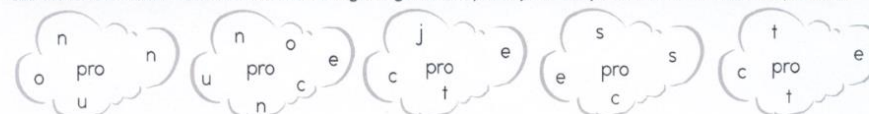
Now the water is bouncing off the fountain.

Yesterday the

Right now the flood waters surround the whole town.

Earlier today the flood waters

- 10 Use the letters in each cloud to form words beginning with the prefix **pro**. Find **pro** words in the dictionary to help.



- 11 Circle the best meaning for the first word in each group. Use your dictionary to help.

account (n): counter, statement, money **discount** (n): deduction, lie, sale **surround** (v): allow, crowd, enclose
pronounce (v): declare, yell, hide **announce** (v): greet, whisper, broadcast **doubt** (v): accept, distrust, believe
bough (n): branch, curtesy, bend **compound** (v): combine, divide, contract **allowance** (n): share, noise, bit

- 12 Write** the base words from which the following words have been built. **Use** your dictionary to help.

pronoun _____	pronouncement _____	pronunciation _____
accountant _____	accountable _____	announcement _____
thousandth _____	doubtful _____	bouncing _____
towelled _____	powdery _____	powerfully _____

Challenge

Decode the words in both boxes. **Add** the decoded words in the first box to the words in the second box to form compound words where they fit on the lines.

Go to Helpful Hint **22**



a	b	c	d	e	f	g	h	i	k	m	n	o	p	r	s	t	u	v	w
┘	┙	┚	┛	├	┝	┞	┟	┠	┡	┢	┣	┤	┥	┦	┧	┨	┩	┪	┫

TFT± ITJF LNI FIFT± EILFT FJNTT JJJJJI FJFST±

ᐱᐱᐱᐱᐱᐱ	ᐱᐱᐱ	ᐱᐱᐱᐱᐱᐱᐱ	ᐱᐱᐱ
ᐱᐱᐱᐱᐱᐱ	ᐱᐱᐱᐱᐱ	ᐱᐱᐱᐱᐱᐱᐱᐱ	ᐱᐱᐱ

Soundwaves Unit 31 Extension words

accountant

announcement

bountiful

cauliflower

council

counterfeit

cowardly

discounted

drowsy

dumbfounded

foundation

insurmountable

loungeroom

mountaineer

paramount

powdered

pronouncement

prowled

towelling

trowel

MG10 Measure angles 0°–180°

A protractor is an instrument used to draw and measure angles. The size of the angle is measured in degrees which is shown as °. There are two sets of scales marked on most protractors, one set is clockwise, the other is anticlockwise.

To measure an angle:

1. Decide if the angle looks acute or obtuse. This will help in Step 5.
2. Place the centre of the protractor exactly on the vertex of the angle to be measured.
3. Spin the protractor until the 0° is exactly on top of the base arm of the angle to be measured.
4. Read the scale of the protractor through which the other arm of the angle passes.
5. Choose the correct measurement from the two numbers on the protractor. If the angle is acute, the measurement you choose will be less than 90°. If the angle is obtuse, the measurement will be more than 90°.

This angle is acute so you choose 60°.

Language reminder

An acute angle is a sharp angle, less than 90°.

An obtuse angle is a blunt angle, between 90° and 180°.

Try this

1 Use your protractor to measure these angles.

102 Maths 5 Students Book
ISBN 978 1 741 35 180 4

A woman lies dead in an open field. There is an unopened package beside her. What was in the package?

2 To solve the mystery, use your protractor to draw the missing arm on each angle. The arms you draw will pass through numbers. Write the letter found at the vertex of each angle in the numbered boxes below.

R 50°

A 140°

H 40°

C 90°

T 120°

P 160°

1	2	3
	E	

4	5	6	7	8	9	10	11	12
						U		E

3 Name the location found at the angle and distance from The Bluff Lookout.

The Bluff Lookout		
Angle	Distance	Location
80°	50 m	
100°	40 m	
20°	45 m	
135°	30 m	
45°	35 m	
60°	60 m	

<div> <div>ANGLE</div> <div>ANGLES AROUND A POINT</div> </div>		<div> <div>NO PROTRACTOR</div> <div>Ref G4J1</div> <div>2E1</div> </div>	
<p>A1 Find the value of x</p>	<p>A2 Find the value of x</p>	<p>A3 Find the value of x</p>	<p>A4 Find the size of each of the four angles</p>
<p>B1 Find the value of x</p>	<p>B2 Three angles fit exactly around a point. The second angle is 20° more than the first angle. The third angle is twice the size of the second angle. Find the size of each of the three angles.</p>	<p>B3 Find the values of x and y</p>	<p>B4 Find the values of x and y</p>
<p>C1 Three angles fit exactly around a point. Two of the angles are equal. The difference between the largest and smallest angle is 30°. Find the size of each of the three angles.</p>	<p>C2 Find the values of x, y and z</p>	<p>C3 Find the values of x and y</p>	<p>C4 Find the values of x, y and z</p>

ANSWER KEY

ANGLES AROUND A POINT

NO PROTRACTOR

Ref G42J
2S1

A1 Three angles measure 97° , 145° and 118° . Do these three angles fit exactly around a point? Explain your answer.	A2 Find the values of x and y	A3 Find the values of x and y	A4 Find the values of x , y and z
B1 Find the values of x and y	B2 Find the values of w , x , y and z	B3 Five angles measure 76° , 95° , 115° , 162° and 187° . Which of them can be put together to fit exactly around a point?	B4 Find the values of x , y and z
C1 Find the values of x and y	C2 Find the values of x and y	C3 Find the values of x , y and z	C4 Find the values of x , y and z

Maths Worksheet Wednesday

MG13 Compass points

North, south, east and west are the major compass points used to indicate direction. These four compass points can be further divided to give four intermediate compass points.

The point midway between north and west is known as north-west.

The point midway between north and east is known as north-east.

The point midway between south and west is known as south-west.

The point midway between south and east is known as south-east.

The direction from Eerie Cave to The Lakes is north.

The direction from Castle Ruins to Eerie Cave is south-east.

Try this

1 Use the Skull Island map to complete these directions.

- a The direction from The Lakes to Crossbone Bay is
- b The direction from Shipwreck Bay to Castle Ruins is
- c The direction from Shipwreck Bay to is west.
- d The direction from Castle Ruins to Shark Point is
- e The direction from to Eerie Cave is north-west.

Maths Worksheet Friday

2 Use the Treasure Hunt clues to find buried treasure. Mark your travels on the map then give the coordinates of the treasure.

Treasure Hunt

Clues

- Start at Port Swashbuckle.
- Journey south, crossing the river.
- Head south-east to the coast.
- Sail east to collect a treasure map from Skull Island.
- Set sail north-west for supplies.
- Voyage east to danger.

- Head south-east to stone steps.
- Climb north-east for a better view.
- Travel north for a key to gold.
- Go south-west to the junction.
- Cross a bridge to the south-east.
- Quickly south-west and dig near water!



NA15 Add and subtract fractions

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

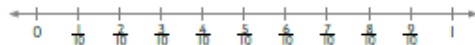
a $\frac{2}{8} + \frac{5}{8} = \frac{\boxed{}}{\boxed{}}$

b $\frac{6}{8} - \frac{5}{8} = \frac{\boxed{}}{\boxed{}}$



c $\frac{2}{10} + \frac{3}{10} = \frac{\boxed{}}{\boxed{}}$

d $\frac{9}{10} - \frac{4}{10} = \frac{\boxed{}}{\boxed{}}$



2 Complete these fractions.

a $\frac{1}{4} + \frac{2}{4} = \frac{\boxed{}}{\boxed{}}$

b $\frac{1}{5} + \frac{3}{5} = \frac{\boxed{}}{\boxed{}}$

c $\frac{2}{10} + \frac{7}{10} = \frac{\boxed{}}{\boxed{}}$

d $\frac{4}{8} + \frac{1}{8} = \frac{\boxed{}}{\boxed{}}$

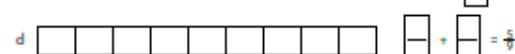
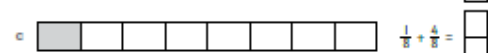
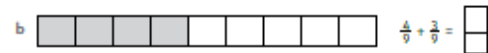
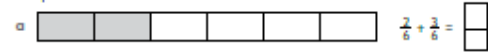
e $\frac{9}{10} - \frac{2}{10} = \frac{\boxed{}}{\boxed{}}$

f $\frac{6}{7} - \frac{4}{7} = \frac{\boxed{}}{\boxed{}}$

g $\frac{8}{9} - \frac{3}{9} = \frac{\boxed{}}{\boxed{}}$

h $\frac{5}{6} - \frac{2}{6} = \frac{\boxed{}}{\boxed{}}$

3 Complete these fraction models.



4 Construct a number line to show $\frac{4}{12} + \frac{6}{12}$.



iMaths 5 Differentiation Tasks



NA15 Add and subtract fractions

1 Draw number lines to add and subtract these fractions.

a $\frac{3}{8} + \frac{4}{8}$ b $\frac{6}{8} - \frac{2}{8}$



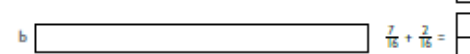
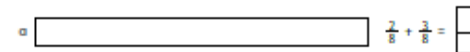
c $\frac{11}{20} + \frac{6}{20}$ d $\frac{12}{20} - \frac{9}{20}$



e $\frac{4}{15} + \frac{4}{15}$ f $\frac{16}{15} - \frac{5}{15}$



2 Draw fraction models for these.



3 Add or subtract these fractions.

a $\frac{3}{20} + \frac{15}{20} = \frac{\boxed{}}{\boxed{}}$ b $\frac{7}{30} + \frac{6}{30} = \frac{\boxed{}}{\boxed{}}$ c $\frac{28}{40} + \frac{12}{40} = \frac{\boxed{}}{\boxed{}}$ d $\frac{75}{100} - \frac{51}{100} = \frac{\boxed{}}{\boxed{}}$

e $\frac{\boxed{}}{\boxed{}} - \frac{23}{50} = \frac{10}{50}$ f $\frac{16}{25} + \frac{\boxed{}}{\boxed{}} = \frac{24}{25}$ g $\frac{21}{30} - \frac{\boxed{}}{\boxed{}} = \frac{3}{30}$

h $\frac{\boxed{}}{\boxed{}} - \frac{\boxed{}}{\boxed{}} = \frac{17}{60}$ i $\frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{23}{33}$ j $\frac{3}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{19}{\boxed{}}$

Task: Design a treasure island map with some key features.
Describe using directions how to reach the treasure?

Don't worry
about coloring
it in!

Concentrate
on the
directions.
E.G. Turn South
at the
graveyard.
Don't forget to
add labels.



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Fractured fairytale characters

'GlassSlipper.com' is a fractured fairytale, based on a traditional fairytale. It changes aspects of the original characters, as well as other details like setting and plot.

Choose a fairytale that you would like to 'fracture'. Think carefully about its characters. Complete the first table with details about the original fairytale's main characters. Complete the second table with details of the version you wish to write. Think carefully about the ideas you want your readers think about.

The traditional fairytale I'm focussing on: _____

Character	Personality	What does this character want?

The title of my fractured fairytale: _____

Character	Personality	What does this character want?

Summarise nonfiction

The article 'Our Stories: Female Convicts in Parramatta' is cram-packed with interesting details. Summarise the text by listing between two and four important points in each section.

Look for:

- an important point in each paragraph
- key words.

1. The female huts, 1790-1802

- _____
- _____
- _____
- _____

2. What happened to Mary?

- _____
- _____
- _____
- _____

3. The factory above the jail, 1802-1821

- _____
- _____
- _____
- _____

4. The Parramatta Female Factory, 1821-1846

- _____
- _____
- _____
- _____

What special connections does Australia have with other countries?



What special connections does Australia have with other countries?

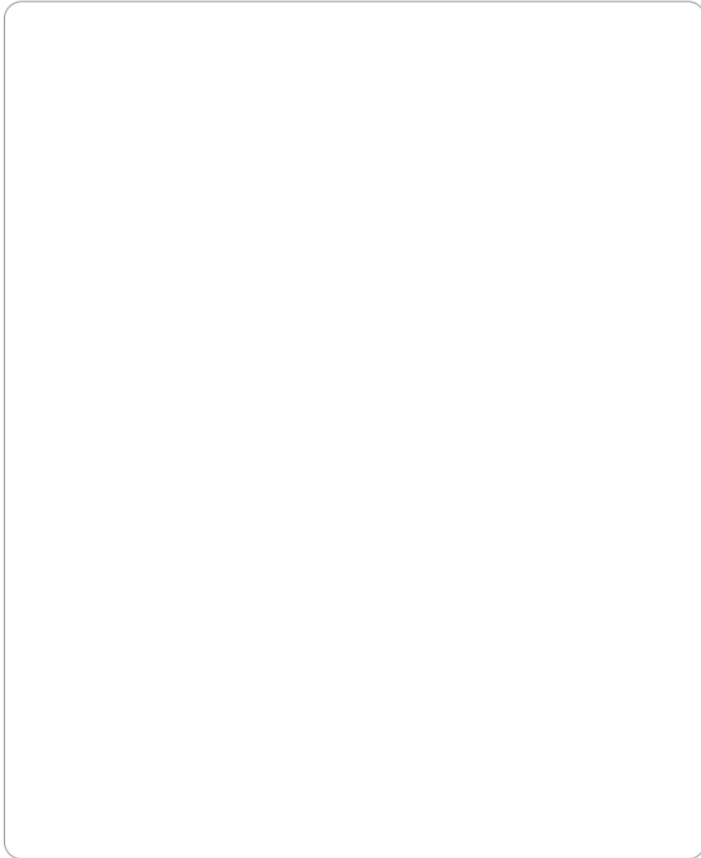
- 1 Watch the video about Antarctica.
- 2 Make a collage of words in the iceberg shape below to represent what you saw in the video.




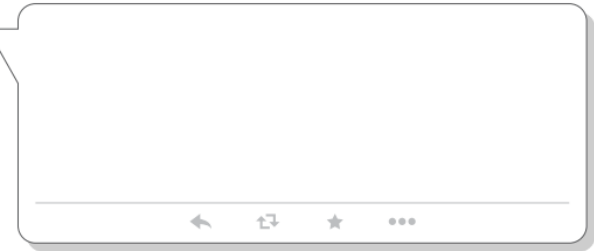
- 3 Looking at the NASA image of the Earth's city lights, what do you notice about the continent of Antarctica and what do you think this means?

- 4 Which seven countries have territorial claims to Antarctica?

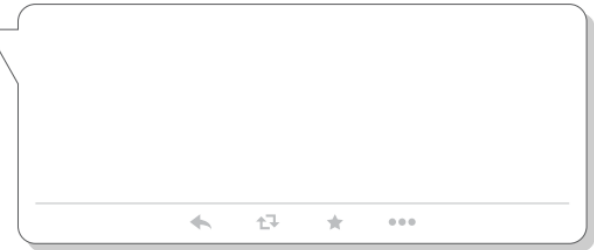
- 5 Find a map of Antarctica, including the territories "owned" by the seven countries and draw your own freehand version, with the territories included. Include the North Point, map title, oceans, seas, islands, and any other geographical mapping conventions.



- 6  Read the articles about how Australia and other countries are co-operating in the management of Antarctica. List some key points and then summarise each one by composing a tweet (280 characters or less).

AUS/USA/NZ

← ↻ ★ ⋮

AUS/China

← ↻ ★ ⋮

AUS/France/others

← ↻ ★ ⋮

8 Activity 2: Steel vs Aluminium

The steel used to make bike frames is often combined with other metals, such as aluminium, to form a mixture called an **alloy**.

If you hold an empty aluminium drink can in one hand and an empty steel can (eg tomato can, baked beans can) in the other. Which one feels lighter?



Which is easier to crush? Trying to crush an empty aluminium can or an empty steel can?

Why do you think aluminium is combined with steel to make bike frames and not used on its own?


9 Activity 3: What is a bike helmet made of?

Have a close look at the bike helmet. Make a simple drawing of it or take a photo.

How many different parts does the helmet have?

What material is each part made of?

Use arrows and labels to identify each part and the material used.

 Use the links in 'Bike helmet guided research' provided to help you. <http://inq.co/class/spr code:3761>

11

List some materials and features you think would be needed for speciality bike to be used in these conditions. Use the guided research links (Specialty bikes guided research to help with idea:

Conditions	Materials needed	Helpful features
Snow		
Water		
Desert		
Ice		

12

What might bike designs look like in the future?
Use the BAR thinker's key to re-design a bike.

Key: **B:** Make one existing part **bigger**.

A: Add a new part.

R: Replace an existing part with something else.



B
A
R