

Hello Year 5 children from 5/6B!

Welcome to your final three week's work for Year 5! Can you believe that you're nearly in Year 6 now? All the staff at school are missing you and are sad that we haven't been able to see you before the end of the year, but the most important thing is keeping safe.

A big thank you to Mrs Bullement who has planned this last lot of home learning for you all and I hope you'll enjoy these tasks and challenges; as before, we have made sure that all our Year 5 children are covering roughly the same work, across all classes. If there seems like a lot of work, don't worry - just complete as much as you can. If you need any help, remember that you can contact me through school on 01400 659001, or by email: [enquiries@cranwell.lincs.sch.uk](mailto:enquiries@cranwell.lincs.sch.uk). Mrs Mulhall and I wish you all a very happy Summer Holiday and we look forward to seeing your smiling faces again very soon.

Mrs Birchenall

### **Maths – Weeks beginning 29/6, 6/7 and 13/7**

Please continue to complete your daily maths lesson, using the White Rose resources from the website. Have a go at the questions on the videos, on a piece of paper. Remember to also follow the links to BBC Bitesize for even more practise. You can find your lessons here: <https://whiterosemaths.com/homelearning/year-5/>. Remember, the videos are also available on Facebook, if the website is overloaded.

This next section of work contains some areas that we haven't covered in class (they are Summer Term topics), so it would be really useful if you could try to complete each lesson. The topics are:

Week 10: angles

Week 11: shape and direction

Week 12: measure

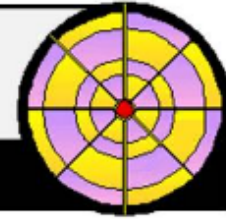
Drawing and measuring angles takes a bit of practise and we are looking for an accuracy of +/- 2°! It would be great if you could practise with a protractor, so I've included a sheet to support you in this. You can buy a protractor as part of a simple geometry kit in the supermarket, or you might find that an older brother or sister has one already.

Of course, I'll continue to set tasks on Mathletics, but only do these if you have spare time!

Want a challenge? I've included some extra sheets below and remember to try some of the puzzles in the 'Daily Rigour': <https://www.cdmasterworks.co.uk/the-daily-rigour/>

# The Daily Rigour

Your free weekly numeracy newspaper!



## Literacy – 2 Weeks (w/c 29<sup>th</sup> June and 6<sup>th</sup> July)

Please follow the link below to access a home learning booklet called 'One Chance' (this can either be printed or you can write your answers and ideas on paper or in a notebook):

<https://www.talk4writing.com/wp-content/uploads/2020/05/Y5-One-Chance.pdf>

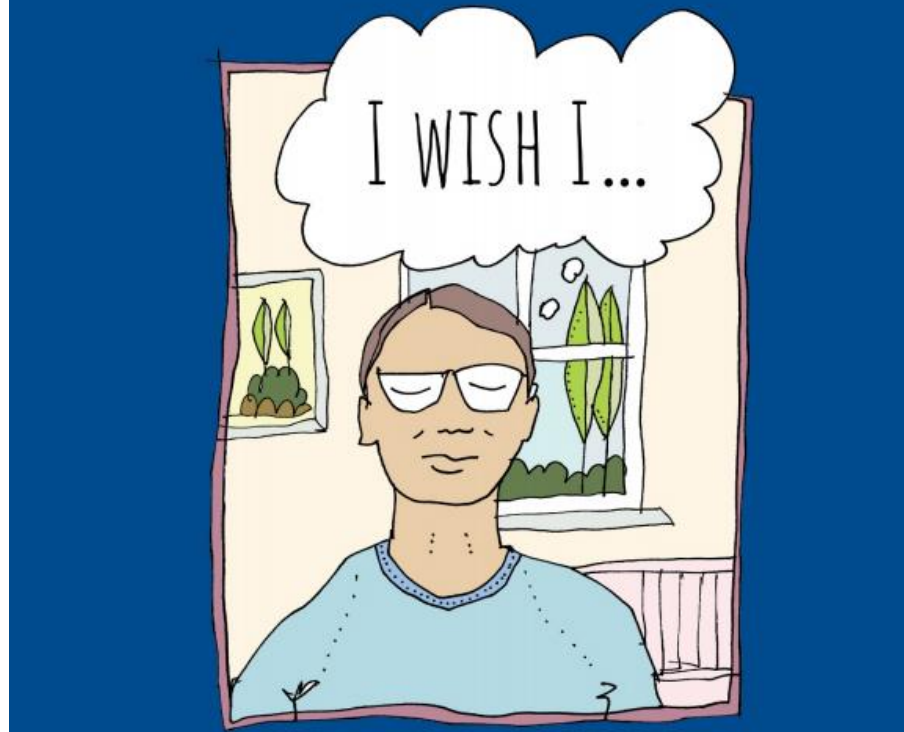
This booklet is designed for you to work on at your own pace: it takes you through a series of literacy tasks related to the story including: reading comprehension, grammar, vocabulary and planning tasks. The booklet culminates in you writing a story about a wish!

Please don't try to complete this in one sitting; we have used these booklets in class and have found they take more than a week to complete properly. Try to complete a page or two each day and enjoy creating a fantastic story. If you'd like to show me your finished work, you could take a picture of it and ask Mum or Dad to email it to me at school!

Talk for Writing Home-school booklet

# One Chance

by Dean Thompson



## Literacy – Final week!

So here we are at the end of Year 5! It's been a funny ending, but you have learned so much and discovered more about the world and about yourself over the past 11 months. What were your favourite parts? Did you achieve everything that you had planned? Have you had surprises, made happy (or perhaps sad) memories?

Your final task this year is to write about your time in Year 5. I suggest you go about it like this:

Monday: think back and jot down your memories of the past year. You can include family events as well as school! You could do this as a list or as a mind-map.  
Tuesday: plan your writing. Will you choose to write chronologically (in time order) or use subheadings to write about separate events?

Wednesday: draft your piece.

Thursday: read your piece through with an adult or older sibling. Can they suggest any improvements? Now carefully edit your work, checking every sentence makes sense and that your spellings are correct.

Friday: write up your work in best, then share it with your parents. If you've done a fabulous piece, I'd love to see it! Ask Mum or Dad to email it to me at [enquiries@cranwell.lincs.sch.uk](mailto:enquiries@cranwell.lincs.sch.uk)

### Reading – The Summer Reading Challenge

Hopefully, you've had time to explore the wonderful world of books over the past few weeks, so are you ready for the Summer Reading Challenge? Have a look at this website for details about how to get involved, including helpful tips on how to access new books if you're stuck in the house: <https://summerreadingchallenge.org.uk/>



### Geography – Week beginning 29/6

#### Where does our food come from?

We enjoy many foods that aren't produced in our country – is this a good thing? Your task this week is to find out where the food in your cupboards has come from! Use an atlas or online map to identify the country in which your food item was produced and write down how many miles it has travelled to arrive in the UK. You might find these websites useful:

[www.google.com/maps](http://www.google.com/maps)

### Geography – Week beginning 6/7

#### Water

We are very lucky: when we turn on a tap, fresh, clean water flows out. We have access to flushing toilet and are able to have a bath or shower when we are dirty. Many people aren't so fortunate. This week, we'll explore where our water comes from and think about what life is like for people who don't have a convenient supply of fresh water.

<https://www.bbc.co.uk/bitesize/clips/z8qtfq8> - find out all about the water cycle

<https://www.youtube.com/watch?v=4V-KoJGGJ4s> – a daily 'water walk'

<https://www.distancefromto.net/distance-from-united-kingdom-country>

You'll find a sheet to complete below.



Now think...

- Should we import food from abroad?
- What are the benefits of importing food?
- What are the disadvantages?

You might like to discuss your thoughts with your parents – do they agree?

<https://www.bbc.co.uk/bitesize/guides/zgx382p/revision/1> - this web page tells you about how water is distributed. It's a GCSE resource, but I think you'll enjoy looking at it. The video clip is interesting too.

Activity: make a water cycle wheel (see sheets below). Please note that the sheet uses the American spelling of vapour (*vapor*).

Note: After this task, we will have completed our Geography work, so there's nothing further to work on next week ☺

### Spelling Task – Week beginning 29/6/20

Have you come across any words you didn't understand in your reading over the past few weeks? I would like you to make a list of 10 unfamiliar words that grabbed your attention and to learn them.

Once you have learned and practised them so that you feel confident, ask an adult or an older sibling (you could even do this over a video call with your grandparents or other family member – amaze them!) to test you on your chosen words.

Challenge yourself – but most importantly have fun!

### Spelling Task – Week beginning 6/7/20

Can you use a dictionary to find out what these words mean and then learn how to spell them? Don't worry if you don't have a dictionary at home: you can, with your parents' permission, use Google or these online ones:

<https://www.wordsmyth.net/>  
<https://kids.britannica.com/kids/browse/dictionary>.

Conservation  
Evaporation Irrigation  
Condensation  
Surplus  
Deficit  
Quality  
Salinity  
Ocean  
Vapour

### Spelling Task – Week beginning 13/7/20

This week, I'd like you to test yourself on the Year 5/6 words! I've included a complete list of these below. Please spend some time revising them, then ask Mum or Dad to test you on a random selection of 20. How many will you get right?

An idea which might be fun is to perhaps set up a family challenge on Zoom and see who is the best speller in your family. Some of these words are tricky and even grown-ups spell them wrong sometimes!

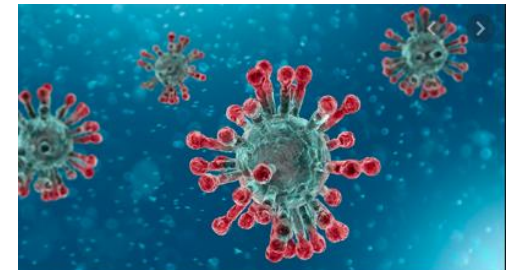
### German

We hope you have been enjoying practising your German, using Duo Lingo. Keep having a quick go each day (5 minutes is fine) – it's fun and you'll learn so many new words! <https://www.duolingo.com/>



### Art / DT / Science

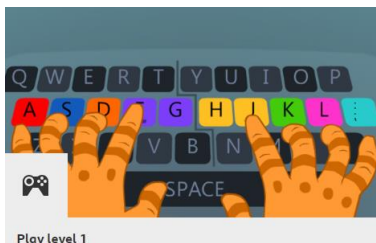
Covid 19 has been in the news constantly this year. It has a weird appearance, with lots of spiky projections! Your challenge is to build a 3-d model of the virus. You might like to use papier mache and cardboard, and lots of brightly coloured paint. Here is an image to inspire you.



## ICT

It's a great skill to be able to type fluently and there is a fantastic free resource, called 'Dancemat' available on the BBC Bitesize website to help you to learn how: <https://www.bbc.co.uk/bitesize/topics/zf2f9j6/articles/z3c6tfr>

There are different levels to progress through, with the aim of teaching you to type without having to look down at your fingers. I wish I had learned to do this years ago!



## PE – w/c 29<sup>th</sup> June

Wheeled sports this week! If you have a bike, a scooter, skateboard or even some roller skates, try to get out each day and enjoy the sunshine. Can you learn a new trick to impress your friends with, once lockdown has ended? Make sure you wear all the right safety kit though!

## PE – w/c 6<sup>th</sup> July

Press-up challenge! It's tricky to do a press-up correctly, as you'll know from our PE lessons. How about asking Mum or Dad to show you the correct technique? Then challenge yourself to practise each day and challenge a friend to see who can do the most?

## PE – w/c 13<sup>th</sup> July

Create a scavenger hunt for your family to enjoy! There are some super ideas on this website to give you some inspiration: <https://www.goodhousekeeping.com/life/parenting/g32050844/scavenger-hunt-ideas-for-kids/>

## Science

Some fun stuff! There are loads of great ideas for science-based activities in this website: [www.sciencefun.org/kidszone/experiments/](http://www.sciencefun.org/kidszone/experiments/)

Why not have a go at:

- Making a lava lamp or volcano
- Making your own play dough or snow fluff
- Milk art
- Paper hovercraft



**Lava Lamp:**  
Use Density to Build a Funky Lamp



**Orange Fizz:**  
Chemical Eruption in your Mouth



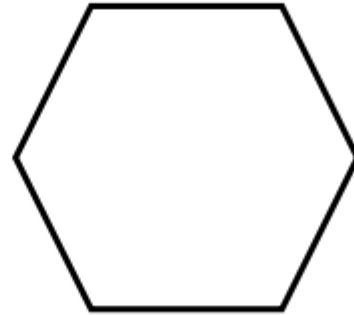
**Storm in a Glass:**  
Model of Rainstorm in a Glass



**Dry Erase:**  
Draw Figures that become Animated

I'd love to see some photos of your creations!

**2. Jamie is creating a mosaic out of regular hexagons. Each tile has a total perimeter of 30cm.**

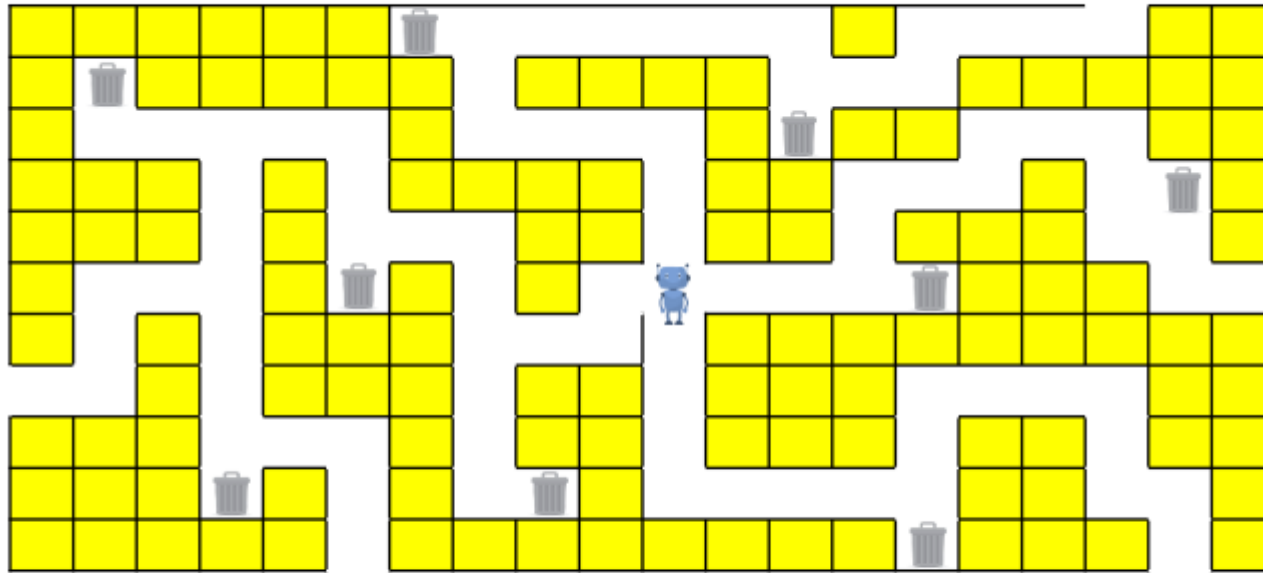


*Not drawn to scale.*

**Explore the various ways he could organise his files so that his mosaic has a total perimeter of 120cm. Each tile must share at least one side with another tile.**



1. Kyle wants to program his Eco 3000 robot so that it can exit the grid but it is stuck in the centre. Explore the shortest route possible. What would be the longest route?



Eco 3000 loves to eat rubbish. What is the greatest amount of rubbish he can collect within 30 moves before he finds the exit?



1. Ryan is trying to work a route for his journey. He estimates the different lengths of various routes on a map.

Route Lengths	
2.62km	0.95km
$1\frac{1}{5}$ km	2,150m
3,450m	6.11km
0.45km	1,980m
$2\frac{3}{4}$ km	$\frac{1}{2}$ km



Using at least 6 different routes above, explore which combinations he could choose which would add up to less than 10km in total.

He has chosen to use 5 different routes. What is the longest route he could have chosen?

Geography: w/c 29<sup>th</sup> June

Food Item	Where It Comes From	Food Miles



How far has all the food in your shopping travelled?

It's about 25,000 miles around the Earth. Has your shopping travelled that far?

## Water Cycle Wheel

All the water on the Earth has been around forever.

The water cycle keeps our water supply going around and around.

Have you ever seen water drops on a plant?

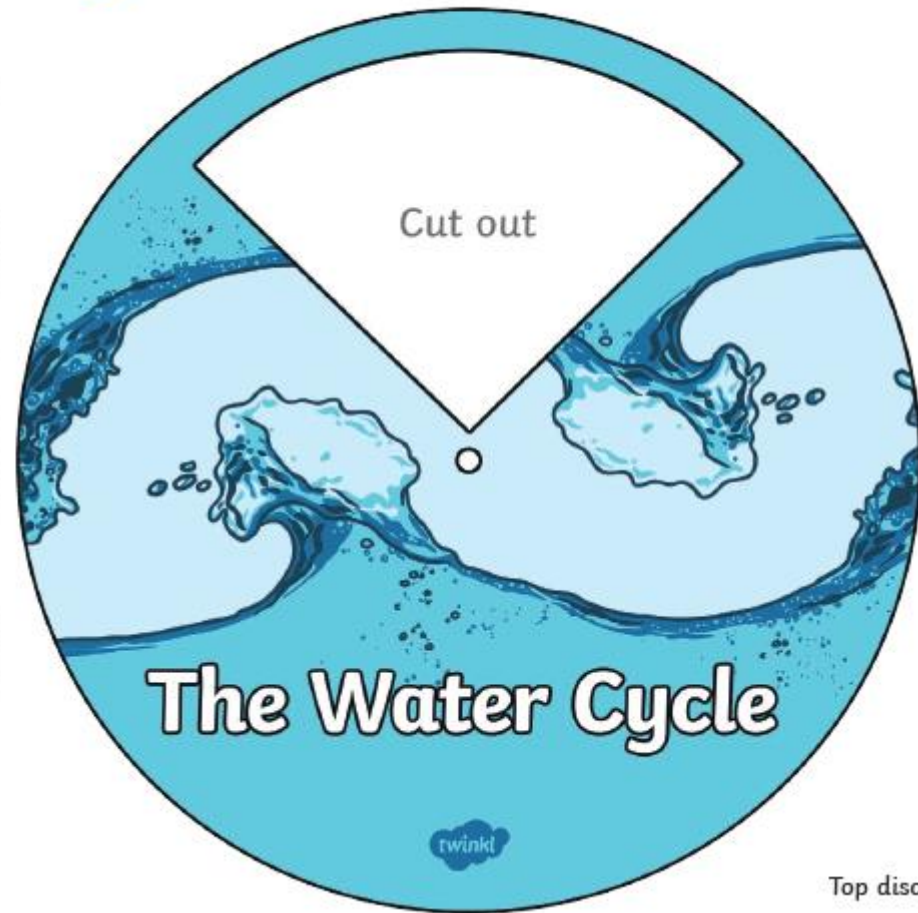
No, it's not sweating. Plants are going through transpiration in which the plants lose water through their leaves. Transpiration helps out by putting water vapor back into the air.

Do you know that you have seen condensation at work?

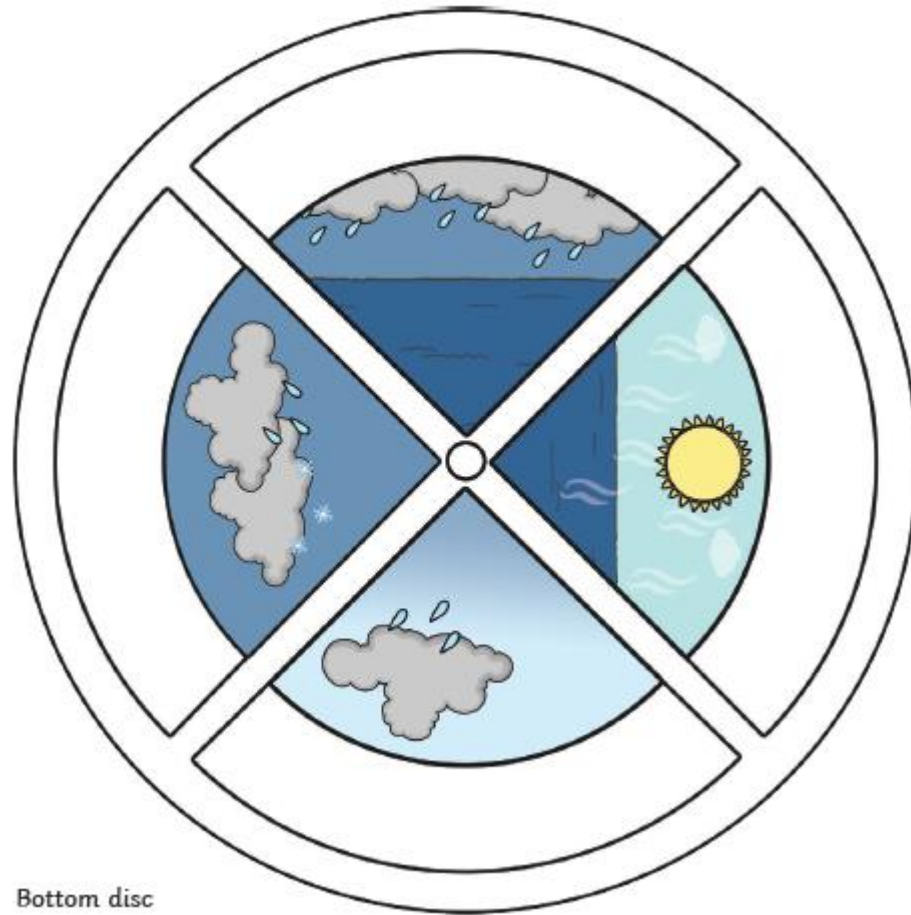
If you've ever had a drink in a cold glass or a can and the air is warm outside, you'll see water drops on the outside of the glass. This is because the water vapor in the warm air is being cooled back down into a liquid on the surface of the glass or can.

### Instructions:

Cut out both discs. Place top disc over bottom disc and fix together. Line up the images and text on the bottom disc with the cut out window on the top disc to create your water cycle wheel.



## Water Cycle Wheel



**Evaporation**  
The \_\_\_\_\_ heats up the rivers, lakes and even the ocean, turning water in to \_\_\_\_\_. The water vapor rises into the air.

**Precipitation**  
So much water collects in the air that the air cannot hold it anymore. The clouds get \_\_\_\_\_ and the water falls as rain, sleet or \_\_\_\_\_.

**Accumulation**  
The water from the rain, \_\_\_\_\_ and snow falls back into rivers, lakes and oceans. This allows the cycle to \_\_\_\_\_ all over again.

**Condensation**  
Water vapor in the air becomes a \_\_\_\_\_ and comes together to form \_\_\_\_\_.

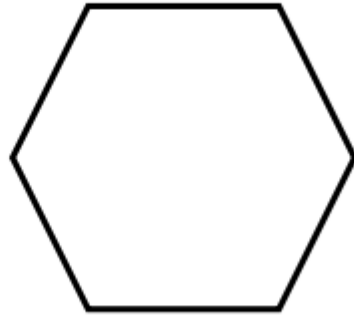
Spelling Challenge:

w/c 13<sup>th</sup> July

100 words that children in England are expected to be able to spell by the end of Year 6 (age 11). How many can you spell?

accommodate	correspond	identity	queue
accompany	criticise (critic + ise)	immediate(ly)	recognise
according	curiosity	individual	recommend
achieve	definite	interfere	relevant
aggressive	desperate	interrupt	restaurant
amateur	determined	language	rhyme
ancient	develop	leisure	rhythm
apparent	dictionary	lightning	sacrifice
appreciate	disastrous	marvellous	secretary
attached	embarrass	mischievous	shoulder
available	environment	muscle	signature
average	equip (-ped, -ment)	necessary	sincer(ly)
awkward	especially	neighbour	soldier
bargain	exaggerate	nuisance	stomach
bruise	excellent	occupy	sufficient
category	existence	occur	suggest
cemetery	explanation	opportunity	symbol
committee	familiar	parliament	system
communicate	foreign	persuade	temperature
community	forty	physical	thorough
competition	frequently	prejudice	twelfth
conscience	government	privilege	variety
conscious	guarantee	profession	vegetable
controversy	harass	programme	vehicle
convenience	hindrance	pronunciation	yacht

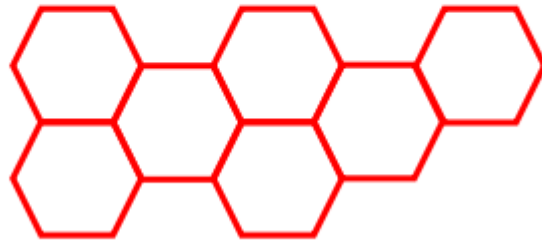
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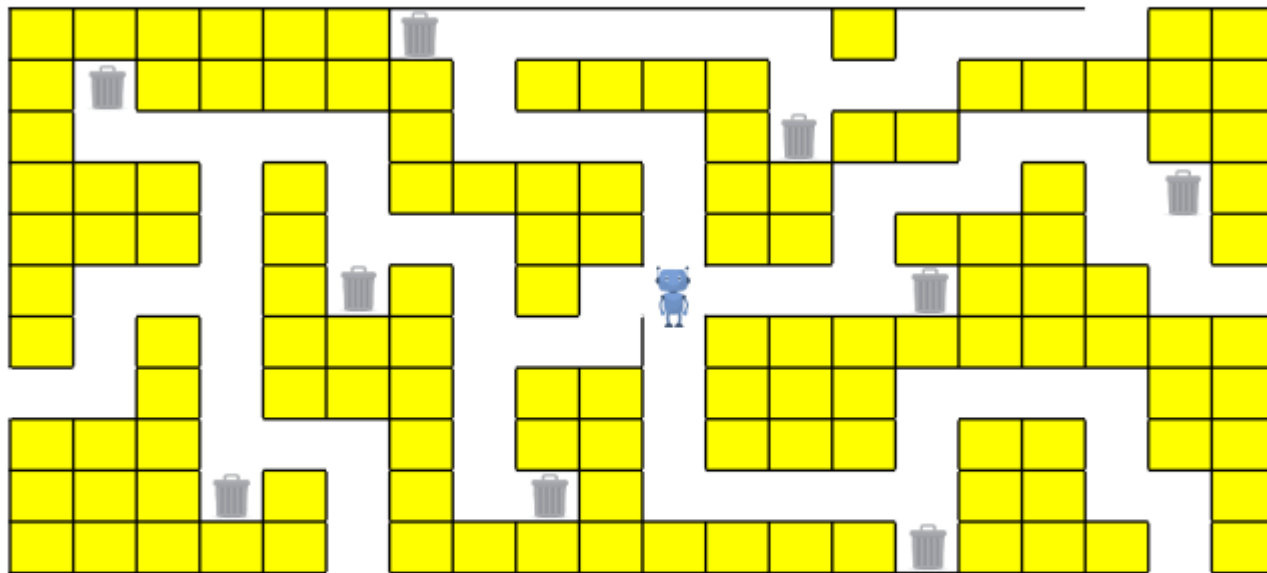
*Not drawn to scale.*

Explore the various ways he could organise his files so that his mosaic has a total perimeter of 120cm. Each file must share at least one side with another file.

**Various possible answers including:**



1. Kyle wants to program his Eco 3000 robot so that it can exit the grid but it is stuck in the centre. Explore the shortest route possible. What would be the longest route?



Eco 3000 loves to eat rubbish. What is the greatest amount of rubbish he can collect within 30 moves before he finds the exit?

**Shortest route: 3 right, 2 up, 2 right, 1 up, 2 right, 2 down, 1 right, 1 down 2 right.**

**Longest route: 1 left, 1 down, 2 left, 2 up, 2 left, 2 up, 2 left, 6 down, 2 right, 3 down.**

**Eco 3000 can collect a maximum of 3 items of rubbish before he runs out of moves.**

DP



1. Ryan is trying to work a route for his journey. He estimates the different lengths of various routes on a map.

Route Lengths	
2.62km	0.95km
$1\frac{1}{5}$ km	2,150m
3,450m	6.11km
0.45km	1,980m
$2\frac{3}{4}$ km	$\frac{1}{2}$ km



Using at least 6 different routes above, explore which combinations he could choose which would add up to less than 10km in total.

Various possible answers including: 0.95km,  $1\frac{1}{5}$  km, 2,150m, 3,450m, 0.45km,  $\frac{1}{2}$  km

He has chosen to use 5 different routes. What is the longest route he could have chosen?

The longest route possible using only 5 routes: 6.11km, 3,450m,  $2\frac{3}{4}$  km, 2.62km, 2,150m = 17.08km