

# Welcome

Dear Riley and Kahlo,

A lot has happened since I wrote my last slide. We now have quite a few children back at school, working in small bubbles. Each bubble arrives and leaves at a different time so I spend a lot of time on the school gate. We are hoping to have you all back, if the government say it is safe to do so, in September. We miss you so much and can't wait to see you all.

After this message is a slide from your new class teachers. I know you will all enjoy hearing about your classes for 2020-21. It's always a mixture of feeling excited and nervous. Don't worry - we will all look after you, just like normal. It may seem a little strange at first but you will soon get used to it.

I have been very busy writing a comment on each of your reports. It takes a long time as there are 461 to do! I really enjoy reading your teachers' comments about you and all the hard work you have been doing. It makes me feel very proud of you all.

I have continued to get on with DIY when I have spare time. I am now decorating the porch. I am changing the walls from white to light grey and the floor from dark red to dark grey. I have also made cards for my friends' birthdays.

I celebrated Father's Day with my family. It was the first time I had seen them since the start of the lockdown. We all stayed 2m apart and had a picnic in my mum and dad's garden. Luckily it was a nice warm day. It was so lovely to see everyone. I hope we will be able to meet up again soon. In the photo I am sitting on the wall on my mum and dad's pond.

I have just completed week 8 of "Couch to 5K" - the app that helps you become able to run/jog 5km without stopping. This week I ran for 28 minutes every other day. I have got just one week left until I finish the programme. Then I need to keep up the running every other day and try to continue to improve my fitness. Remember to ask me how I am doing! Have you been doing lots of exercise during the lockdown period?

Take care of yourselves and your families. I hope to see you all soon. Miss Newton xx



Dear Kahlo class,

I hope you are all keeping well and still managing to get lots of fresh air...in the rain!

There has been a lot on the news lately about lifting of lockdown, but also about some towns and cities possibly going back into Lockdown; it's very confusing! But it shows that we all need to continue to do our part to keep the most vulnerable people in society safe. Remember to watch news stories from reputable channels and read sources with good research behind the facts as there is a lot of sensationalist news going around.

We are getting close to the end of the year now - look at the computing slide carefully this week and make sure you meet the deadline for your year book page so that you don't miss out on contributing to the year book.

I've got back in to my art this week and have been clay modelling and painting. I made some earrings from clay and painted them and a sort of decorative artichoke and leaves and acorns on a twig! Its was pretty fiddly but I got there in the end! My friend is going to have a baby soon and I'm planning on doing some fabric painting on baby-grows next. What new projects have you been starting? Persevere with new challenges and keep yourselves busy! Say hello to your families from me and keep doing your random acts of kindness to keep everyone at home happy,

From Miss Meggitt xxx

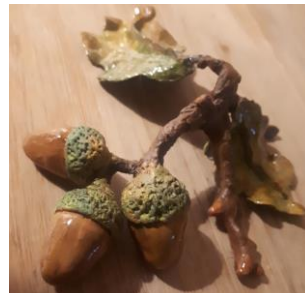
# Welcome



My new earrings - they are surprisingly light to wear!



My clay artichoke-type-thing!  
Before and after painting.



My clay acorns-type-thing!  
Before and after painting.

Did you get it right?

It was a close-up of the edge of a cookie or biscuit!



### This week's close-up!

Have a go at guessing what this is a close-up photograph of...remember to give reasons for your answer.

#### Thinking prompts:

Man-made or natural?

Edible or not?

Dead or alive?

Does the colour give a clue?

Animate or inanimate?  
unusual?

Every day item or



# Welcome

Dear Riley Class,

Once again the high spot of my week is getting to chat to you and catch up with what you have been up to and to see your smiling faces on our Zoom call!

It has been exciting news that we are now able to meet up with a few friends in outdoor spaces. My family and I have had friends over to sit at a table in the garden – even in the rain – we have just put on jumpers and put up the sun parasol! It has been worth it to see friends and family even if it feels a bit eccentric!

You may have noticed that despite me crossing my fingers for sunny, dry Thursdays and Fridays for my cycling it has in fact been rainy on every single one! However I did spot a rainbow on my way home the other day and took this photo to share with you! It reminded me of our science experiments with prisms and creating our own rainbows and rhymes to remember the order of the colour spectrum – can you recall yours?

Remember to be kind to your family – Can you do a good deed for an adult in your family – make a cup of tea or help with the washing up? Put a smile on their face – it will give you one too! Remember to read every day - 😊 from Mrs Ross xxx

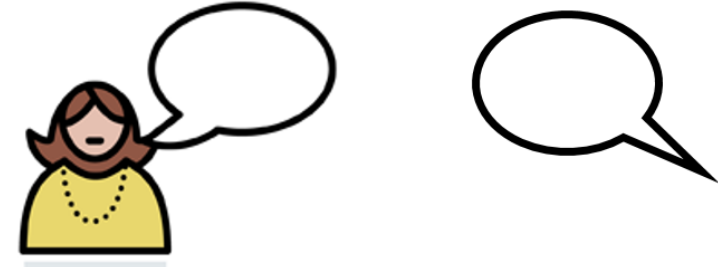


Try these 'Thunks' out on people at home - remember there are no wrong answers but make sure you give reasons for yours and discuss the different opinions and ways of looking at them.

Is it natural to be greedy? If yes, does that make being greedy ok?



Can you have a conversation with an invisible friend?



Does everything have a taste?



Would you have your sense of humour removed for a million pounds?

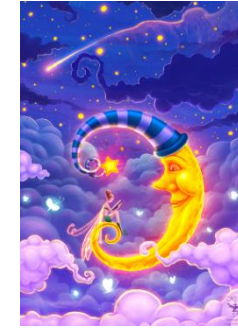


“ I embrace the peace and quiet of the night. ”



# Wellbeing Activity

**Year 6: SLEEP** well. Look after your body and mind by closing down your laptop, Xbox or phone at least an hour before you go to **sleep**. You will feel happier and be able to learn more, when you get a good nights **sleep**.



## Sleep fact:

Our bodies require long periods of **sleep** in order to restore and rejuvenate, to grow muscle, repair tissue, and synthesize hormones. **Sleep** can reduce stress and feelings of sadness.

**Night, night, sleep tight.**

## Get a restful nights sleep:

Say goodnight to your family, turn the light out and breathe slowly in through your nose and out through your mouth. Do this three times.

Now close your eyes and recall all the good things that have happened in the day.

The smile your best friend gave you when you arrived at school.

The question you answered in class that your teacher praised you for.

The game you made up in the playground that made you laugh.

The sun you felt on your face.

Appreciate the small things that make you feel happy and cared for.

The warmth you feel inside will help you to fall asleep...**sweet dreams**.



# Computing Activity



This week, we need you to complete your page for the year 6 Leaver's Yearbook! Don't worry if you don't have photos to add - we can do that for you.

**The deadline to send in your page/ writing is MONDAY 13<sup>TH</sup> JULY**

Below are some ideas about how you can complete your page. On the next slide is an example of a past page to give you ideas.

- If you don't have access to a computer, you can write your page and draw pictures/ decorate it and take a photo to send to the school
- If you just type up the message, you can send this to school too
- If you have access to powerpoint, you can make ONE slide to include your writing and pictures/ decorations (or leave space for us to add photos)
- You can make your ONE page on a word document
- You can make your ONE page on Publisher.

Miss Naik is busy finding photos of you all and we will add these in to general pages or can add them to yours if you are struggling to find pictures.

Send your final yearbook page to the school email address:

[admin@kingathelstan.rbksch.org](mailto:admin@kingathelstan.rbksch.org) and be sure to write: FAO year 6 staff in the subject box and who you are. We really look forward to seeing your work!

If you are in school before the 13<sup>th</sup> July, we will give you time to complete your pages then.

# Computing Activity page 2: Examples

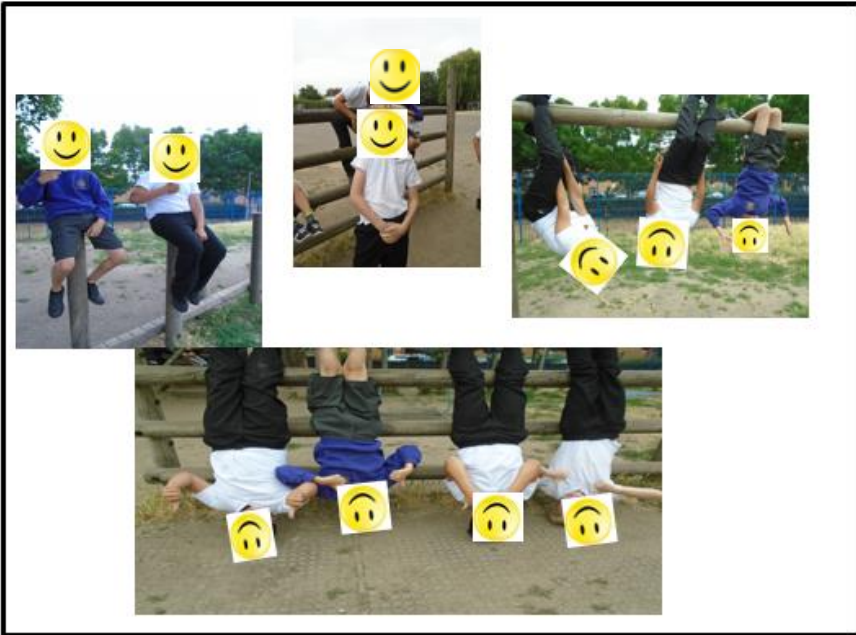


## Things to keep in mind:

As long as you include happy memories and some interesting things that happened at King Athelstan during your time here, you can write the things most important to you however you wish to, in whatever order you'd prefer.

Remember, these books will be a keepsake for life - when you're older, you will look back at the pages, so fill them with happy memories and things that you have learnt from this school and from your friends! Include some pictures of you at school or with friends from King Athelstan if you wish - but don't worry if you don't have any - we can add some for you! You can also include symbols or decorations. Remember also that everyone in the year will have a copy so only include things you are comfortable sharing.

We will be checking these before printing them and making them in to books but please check your spellings and grammar thoroughly.



When I joined: I joined in year 6 and I made a lot of friends!

My friends: My best friends are .....

My favourite memories: My favourite memories are when Elias, Ayman and Callum and sometimes Finlay and myself did parkour together! Also when we went to Chessington and PGL.

What I will miss the most: I will miss all my friends that I met this year but some of them are in the same School as me next year and I plan to keep in touch with the others!

What King Athelstan has taught me: I think King Athelstan have good thoughts about me and has taught me to be thoughtful and kind.





Year 6:

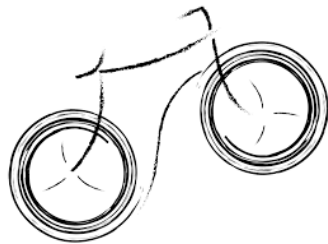
Bonjour!

# French Activity



In France, in the summer, starts a very famous competition called “Le Tour de France”, where cyclists spend weeks racing each others around the country. The race’s route changes every year but always goes through the steep mountains of Les Alpes and les Pyrénées and ends up in Paris. Here is a map of this year’s race, which will hopefully happen at the end of August. Unfortunately some of the names have disappeared. Can you find them ? Here the link from the Tour de France Official Website:

<https://www.letour.fr/en/overall-route>



- 1:
- 2:
- 3:
- 4:
- 5:

When you have found the missing names, look them up using google map. You can also look up the other places . Which one would you like to visit one day?

www.letour.fr

# Art Activity

## Painting Pebbles

While out walking this week, see if you can find some pebbles for this art activity. Smooth, medium to large sized pebbles work best. Paint any design you like!



If you have any pva glue at home, you can paint it over your pebble to give it a shiny, protective coating.



You could create minibeasts...



Or paint your own design or pattern.



If you don't have any paint, you could use felt tips instead. Choose light coloured pebbles.



Even funny shaped pebbles can be used!

# Music Activity



## Features of music

Find out about these key features of music by watching these videos.

### **Pulse & Rhythm**



<https://www.bbc.co.uk/bitesize/topics/zcbkcj6/articles/z2mqw6f>

### **Duration and Tempo**

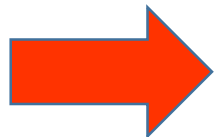


<https://www.bbc.co.uk/bitesize/topics/zcbkcj6/articles/z3yfng8>

### **Dynamics**



<https://www.bbc.co.uk/bitesize/topics/zcbkcj6/articles/z3rcgdm>



Now choose one of your favourite songs or pieces of music to listen to. Can you describe these features? What are the dynamics? What is the tempo? How do they change throughout the song?



# Physical Activity



## Athletics - Elements of Jumping

- Last week you focussed on the triple jump. This week you are going to focus on the elements of jumping.

### Elements of Jumping:-

- Approach phase - building speed and preparing for the jump.
- Take-off phase - push off the ground before entering the flight phase.
- Flight - use arms for power and balance.
- Landing - land on two feet.

### Challenge 1

- Try the standing long jump.

### Challenge 2

- Take a run up and then perform a long jump.

### Challenge 3

- Challenge a sibling or parent/carer to see who can jump the furthest. Try challenge 1 and 2.



## Tennis - Maintain a rally

- Set up a tennis court. Use jumpers or socks to mark out a court.
- Your aim is to maintain a rally for a prolonged period of time.
- Try and use a variety of groundstrokes.

### Key Points:-

- Contact with the middle of the racket.
- Sideways stance.
- Racket low to high.



### Challenge

- Try and win points by using attacking shots such as a volley.
- Keep a record of the points scored.



Hi guys, I hope my slides are helping you stay active! Hopefully see you all soon!  
Mr McLaughlin



# Moving from Primary to Secondary School

This is such an exciting time! Next academic year, you're going to make new friends, learn new subjects and have loads of opportunities to try new clubs and activities! However, it can also be very daunting and **EVERYONE** has some worries about the change. Last year, we (year 6 teachers) wrote down some of the common worries that children in year 6 had when thinking about Secondary school. Here are some of them:

- "I'm going to miss my best friends as they are going to a different school."
- "What if the lessons get much harder?"
- "My new school is so big - what if I get lost?"
- "Will the older children be nice to me?"



Do you share any of these thoughts? What other ones can you add? I bet someone else is thinking of the same thing!

Last year, we had children in year 7 come to chat to year 6 and that really helped because they answered questions and reassured them. We will try to do something similar this year. In the meantime, we've included some links to go on with your parents to start talking about this very Important and exciting time in your lives. Enjoy some of the video clips and maybe have a go at some of the activities to get you organised and ready for September!

- <https://www.bbc.co.uk/teach/teacher-resources-for-students-transitioning-to-secondary-school/zb68y9q>
- <https://youngminds.org.uk/resources/school-resources/?f2=10143#listing>
- <https://www.mentalhealth.org.uk/sites/default/files/moving-on-top-tips-for-pupils.pdf>

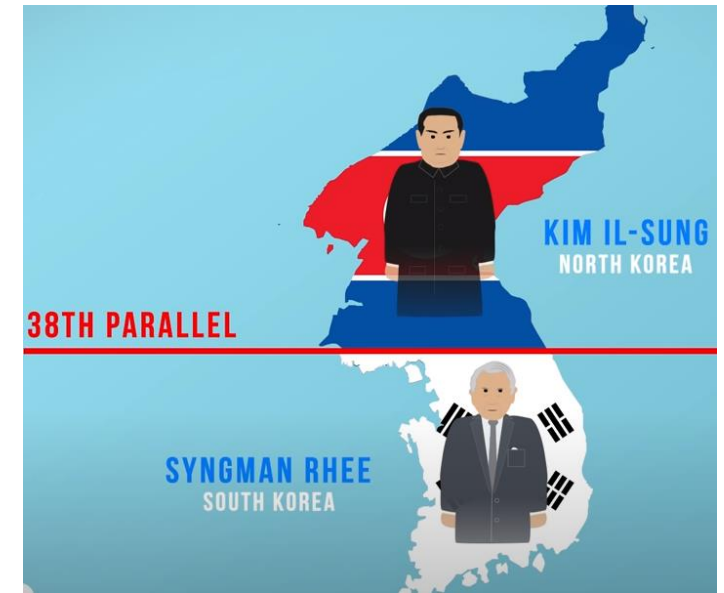


# Topic Activity

For your writing task this week, there is an animation to watch about a little boy growing up in Korea in 1951. The following fact might help you to understand his environment a little better.

June 1951

More UN troops were deployed to Korea and the communists were eventually driven back to the 38th parallel. The war became a stalemate. The war then took to the skies, where American and Soviet pilots fought for a further two years. The Soviet pilots were dressed in Chinese uniforms flying planes with Chinese markings. The aerial battles were kept secret from the US population in case they demanded all-out war with the USSR.



Notice in the video for the writing task all the bombed-out fighter planes and the tanks being transported through his town by train. The streets seem deserted and the buildings have been ravaged by war:

**Your task** this week is to find out more about the Korean War. It is linked to the end of WW2 but had very different elements to it and South Korea and North Korea are still divided today with much conflict still occurring.

**Present what you find with a write up of facts in form of:**

- A fact file
- A presentation
- An informative poster
- A video report/ News report

This video will help you to understand the war from the beginning:

<https://www.youtube.com/watch?v=yxaeqqvl4aE>

This website has pages of facts (for GCSE revision!) but you can take the most important facts for your research:

<https://www.bbc.co.uk/bitesize/guides/zqqd6yc/revision/1>

# Audio Books For Free



**Year 6: This week, listen to 'The Chocolate Tree,' by Dina Gregory. It is about a group of children who are really into gaming but then see something extraordinary I.R.L!**

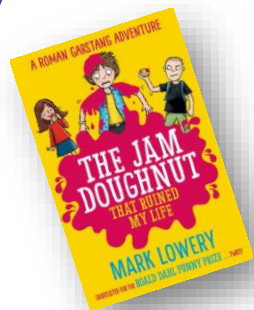
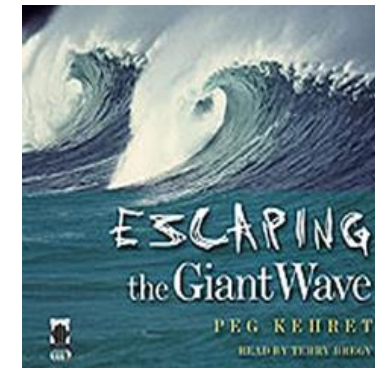
[https://stories.audible.com/pdp/B0892QYX5P?ref=adbl\\_ent\\_anon\\_ds\\_pdp\\_pc\\_pg-1-cntr-0-13](https://stories.audible.com/pdp/B0892QYX5P?ref=adbl_ent_anon_ds_pdp_pc_pg-1-cntr-0-13)

**You might prefer this adventure story, 'Escaping the Giant Wave,' by Peg Kehret**

: [https://stories.audible.com/pdp/B002VA9QVQ?ref=adbl\\_ent\\_anon\\_ds\\_pdp\\_pc\\_pg-1-cntr-0-26](https://stories.audible.com/pdp/B002VA9QVQ?ref=adbl_ent_anon_ds_pdp_pc_pg-1-cntr-0-26)



**Make sure you are making yourselves comfy and making the most of listening to different stories. Try to discuss the themes with a friend or someone at home.**



**This week's story time is Mrs Ross reading the next part of 'The Jam Doughnut That Ruined My Life' by Mark Lowery.**

<https://www.kingathelstan.kingston.sch.uk/covid-19-home-learning/story-time/story-time-videos-2/>

Click here to get started

Remember to keep using the links at the bottom of page to explore new texts and enjoy listening to books being read aloud (You may need to open in Google Chrome.)

<https://stories.audible.com/start-listen>

<https://www.worldofdavidwalliams.com/elevenses/> <https://www.allyoucanbooks.com/>



# Why do cactus have thorns?

## Plant Adaptation

# Science Activity

## The Knowledge:



Watch these videos:



Adaption of cacti in deserts

<https://www.youtube.com/watch?v=OU0oKAXyZfE>

Adaption to different environments



<https://www.youtube.com/watch?v=BYkPlbnviro>

<https://www.youtube.com/watch?v=HA4eMuHhddo>

**RECAP:** Living things produce **offspring** of the same kind.

Sometimes, changes that offspring have from their parents are **advantageous** - they allow the offspring to cope better in their **environment**.

However, often the changes are not advantageous (called **maladaptations**). When this is the case, the offspring will find it more difficult to thrive.

Natural selection can ensure that, over time, the advantageous characteristics survive in the species.

Plants are suited to their **environments**, and **adaptation** leads to advantageous changes. These changes in offspring over time allow **evolution** to take place.


As humans we can change what we wear to suit our environment; contrast this with plants. Plants have to change or adapt over time by process of evolution to survive.

As we have learned in geography, different regions on Earth have different weather conditions and climates.

### Desert adaptations

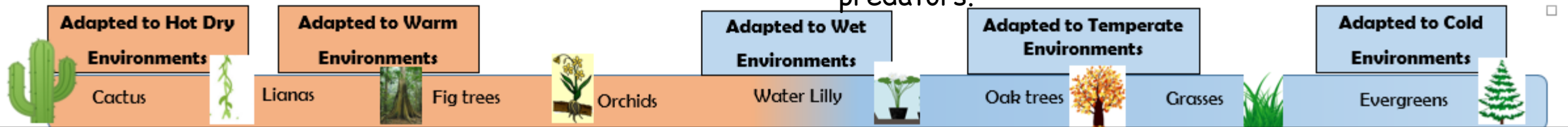
In the desert environment Cactus have thick fleshy leaves to store water, a thick waxy cuticle (a protective layer on the surface of stem and leaves) to prevent dehydration and a shallow root system to collect small amounts of moisture.

**Cactus Adaptations**



- Large stems that can store water
- Thick waxy skin to reduce water loss through pores
- Widespread root system – can collect water easily
- Spines instead of leaves – reduce Surface area for transpiration and protect them from predators

They have transformed their leaves into spikes, which both reduces the amount of transpiration (loss of water through the plants ) and to offer protection from predators.







## Why do cacti have thorns?

### Plant Adaptation

#### Rainforest adaptations

In the **rainforest** biosphere plants have an extra struggle to survive as they seek the sun through layers of vegetation, with extreme heat and humidity, rainfall, poor light conditions in some layers (understory and forest floor) and a great distance to the sunlight from the forest floor (emergent and canopy). They are able to grow rapidly and compete with a large number of other plants. These plants have some of the following adaptations: Trees with tall trunks, **buttress roots** and large leaves; lianas with **long roots** and stems and **drip tip leaves**. It is thought that these drip tips enable raindrops to run off quickly. Plants need to shed water to avoid growth of fungus and bacteria in the warm, wet tropical rainforest. **Buttresses Roots:** Many large trees have massive ridges near the base that can rise 30 feet high before blending into the trunk. Buttress roots provide extra stability and wind above the ground looking for nutrients

Orchids or Epiphytes are plants that live on the surface of other plants, especially the trunk and branches. They grow on trees to take advantage of the sunlight in the canopy. Most are orchids, bromeliads, ferns, and Philodendron relatives.

Lianas are climbing woody vines that drape rainforest trees. They have adapted to life in the rainforest by having their roots in the ground and climbing high into the tree canopy to reach available sunlight



These specially designed leaves allow all the rainwater to drip off the leaf quickly so it doesn't get too heavy and break!




Lianas draping a tree



Wide roots stop these enormously tall trees from falling over. They also wind above the ground looking for food and nutrients rather than digging beneath the ground where nutrients are scarce.

# Science Activity

## The Knowledge:



**Activity :** Complete the cactus and Fig tree sheets, then use the last sheet to **design a plant** - choose a climate and describe the environment and challenges a plant will have to overcome and adapt to.

How does your plant cope with these. Draw and describe your plant.



# Science Activity

The Activity:

Look at the plant on the following pages. Identify three adaptations for each plant. Describe each adaptation and explain how it provided a survival advantage to the plant.

## Cactus

Description of adaptation

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Survival advantage

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Description of adaptation

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Survival advantage

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Description of adaptation

Survival advantage

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# Science Activity

The Activity:

## Fig Tree

Description of adaptation

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Survival advantage

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Description of adaptation

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Survival advantage

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Description of adaptation

Survival advantage

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Our weekly reading comprehension questions might inspire you to look up the books they're based on - perhaps you can find some of them online?

# Reading Activity



## 'Holes,' by Louis Sachar

Stanley Yelnats' family has a history of bad luck, so when a miscarriage of justice sends him to Camp Green Lake Juvenile Detention Centre (which isn't green and doesn't have a lake) he is not surprised. Every day he and the other inmates are told to dig a hole, five foot wide by five foot deep, reporting anything they find. Why? The evil warden claims that it's character building, but this is a lie. It's up to Stanley to dig up the truth.

Witty, inventive and completely unique, this is a masterpiece of storytelling that combines sly humour with irresistible, page-turning writing.

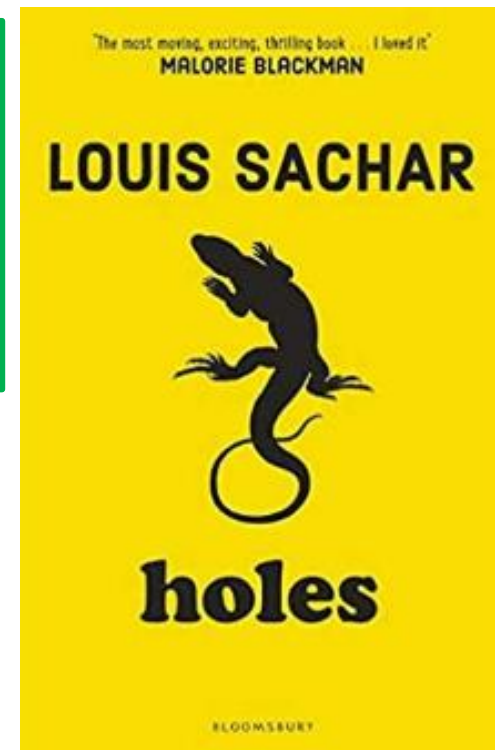
1. What is a 'miscarriage of justice'?
2. What does this miscarriage of justice result in?
3. Based on what the blurb tells you, make a prediction about what Stanley might find out.
4. Rewrite the review at the bottom with new words but so that the same sentiment is conveyed.

### Thinking point:

Is this a book you would pick up in a library and bookshop? Why/ why not?

If you read the blurb, would you want to borrow or buy this book to read?

If you are in school this week we will be doing this in class!



## 'Holes' by Louis Sachar

There is no lake at Camp Green Lake. There once was a very large lake here, the largest lake in Texas. That was over a hundred years ago. Now it is just a dry, flat wasteland.

There used to be a town of Green Lake as well. The town shrivelled and dried up along with the lake, and the people who lived there.

During the summer the daytime temperature hovers around ninety-five degrees in the shade - if you can find any shade. There's not much shade in a big dry lake.

The only trees are two old oaks on the eastern edge of the "lake." A hammock is stretched between the two trees, and a log cabin stands behind that.

The campers are forbidden to lie in the hammock. It belongs to the Warden. The Warden owns the shade.

Out on the lake, rattlesnakes and scorpions find shade under rocks and in the holes dug by campers.

Here's a good rule to remember about rattlesnakes and scorpions: If you don't bother them, they won't bother you.

Usually.

Being bitten by a scorpion or even a rattlesnake is not the worst thing that can happen to you. You won't die.

Usually.

Sometimes a camper will try to be bitten by a scorpion, or even a small rattlesnake. Then he will get to spend a day or two recovering in his tent, instead of having to dig a hole out on the lake.

But you don't want to be bitten by a yellow-spotted lizard. That's the worst thing that can happen to you. You will die a slow and painful death.

Always.



### Answer these questions

- 1.) What strikes you as strange about 'Camp Green Lake'?
- 2.) What is one of the main problems in Green Lake? Why?
- 3.) What type of person is the warden do you think? Why do you think this? Give evidence.
- 4.) What seems to be the occupation of the 'campers' at Camp Green Lake?
- 5.) Write three facts about the animal inhabitants of this environment.
- 6.) Why do campers try to be bitten?

### **Grammar focus:**

- 1.) Find and write a word meaning 'floats above.'
- 2.) Why does the writer use one word sentences between paragraphs at various points?
- 3.) Write all the contracted forms of words you can find and then write what they are short for. E.g They're = they are

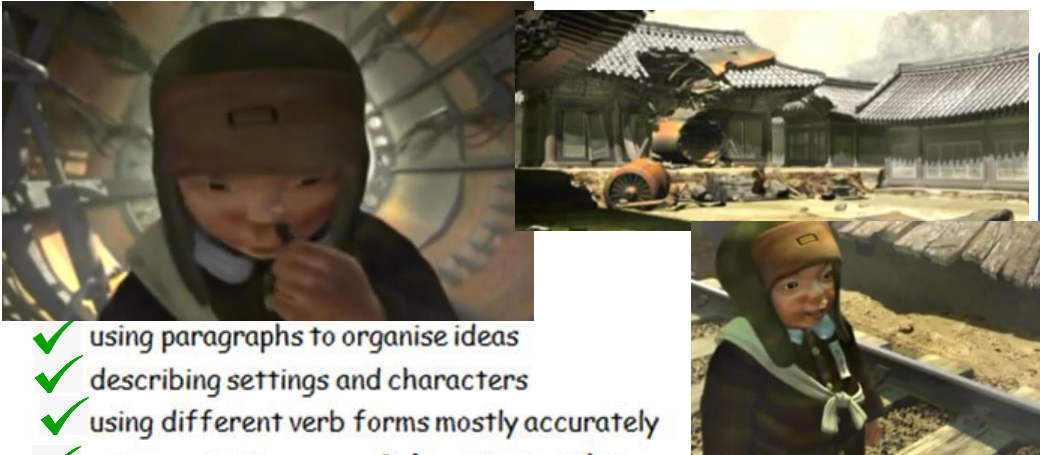
# Task: Writing a story based on a child's experience of war

# Writing activity



If you are coming in to school, we may be doing this in class at some point – ask your teacher about which ones to do at home.

**Introduction to the task:** Watch the film 'Birthday Boy' on Literacy Shed: <https://www.literacyshed.com/war-and-peace-shed.html> What do you think has happened in Manuk's village? How do you think his life is different from your own? How might it be similar?



**Top tip:** This is a very emotional film - make sure you convey that emotion through your writing by using pathetic fallacy, simile and metaphor and describing the atmosphere of the bombed village.

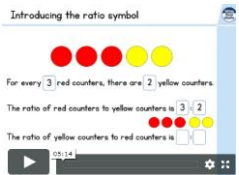
- ✓ using paragraphs to organise ideas
- ✓ describing settings and characters
- ✓ using different verb forms mostly accurately
- ✓ using capital letters . ? ! , (for list) ' for contraction
- ✓ spelling most 3/4 words and some 5/6 words

- ✓ creating atmosphere
- dialogue to convey character/advance action
- ✓ select appropriate vocabulary and grammatical structures
- ✓ co-ordinating & subordinating conjunctions/synonyms/adverbials
- using passive and modal verbs
- ✓ vary sentence length + embedded clauses
- ✓ adverbs/preposition phrases/expanded noun phrases
- ✓ " " . , ! ? ... : ; ice-cream (hyphen) - dash
- ✓ Most 5/6 words

Focus on the targets with ticks ✓ for this task.

Your task is to write the story up in a way of your choice. You can rewrite the whole thing if you want, or:

- Rewrite small sections as a narrative, e.g. the stone throwing incident, or the thrill of seeing the train/planes.
- Write letters between Manuk and his Father.
- Write a dialogue between Manuk and his mother, him retelling what he has been up to whilst she tries to persuade him to be careful.
- Write the next scene in the film. Mother comes home - what happens?
- Write a description for the image of the higgledy-piggledy rooftops.



## Daily Maths Video Lesson and Activity sheet

Try one every day!

Watch these videos and pause them to answer the questions on the activity sheets. There is an answer sheet for you to check your work- don't look until you have had a go!

There are 4 lessons on introducing ratios, scale factors and problem solving. Try one every day.

The **videos** are available on:

<https://whiterosemaths.com/homelearning/year-6/>

Summer Term - Week 10 (w/c 29th June)

The worksheets are now available on the KAPS website :

<http://www.kingathelstan.kingston.sch.uk/covid-19-maths/>



Keep Practising  
your timetables!

# Maths Activity

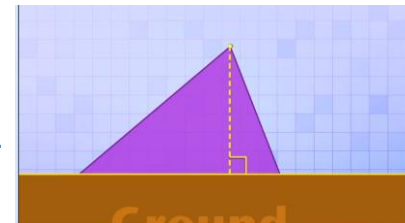


## Areas of Shapes- Triangles, Rectangles and Cuboids

Look at the examples and answer the questions on the following slide. If you are anxious, try questions 1-6. If you're feeling confident, try questions 1-9. If you're raring to go, try the challenge too!

Tip : watch this video *What is Area and Volume?*

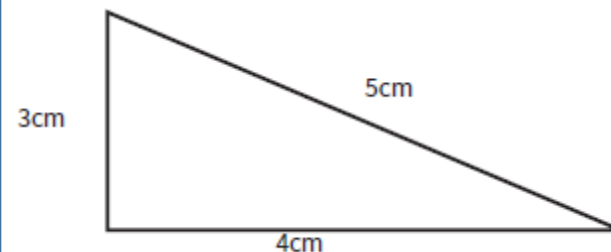
<https://www.mathantics.com/lesson/area>



<https://www.mathantics.com/lesson/volume>



Find the area of the triangle.



7.5cm<sup>2</sup>

This answer is:

Correct

Incorrect

If incorrect, explain the error.

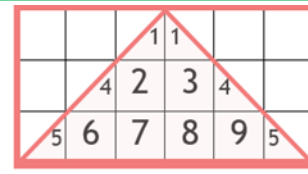
# Areas of Shapes (1)

# Maths Activity



## Example:

Look at this triangle.  
Work out its area by:

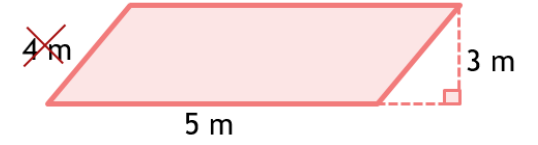


- Counting squares
- Using the formula.

### Answer

- Numbering the squares including halves, the area is **9 square units**
- Area = base  $\times$  height  $\div$  2  
=  $6 \times 3 \div 2 = 18 \div 2 = 9 \text{ cm}^2$

Calculate the area of this parallelogram.

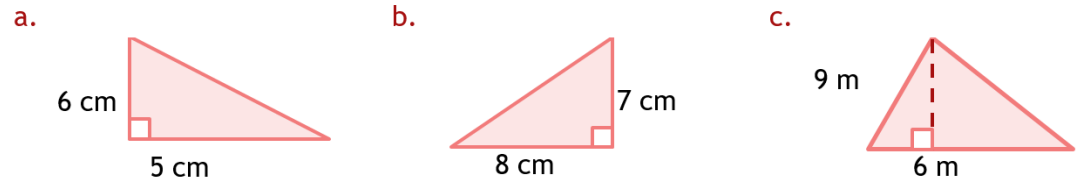


### Answer

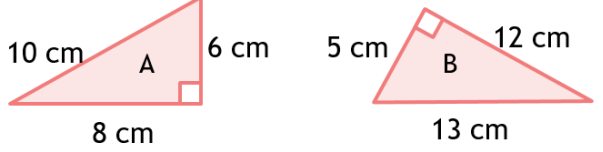
Remember **SNOTS** - *Say No To Slants*  
Area = base  $\times$  height =  $5 \times 3$   
= **15 m<sup>2</sup>**

**SNOTS** works for all shapes with any sloping sides, remember to ignore them!

1. Find the areas of these triangles.

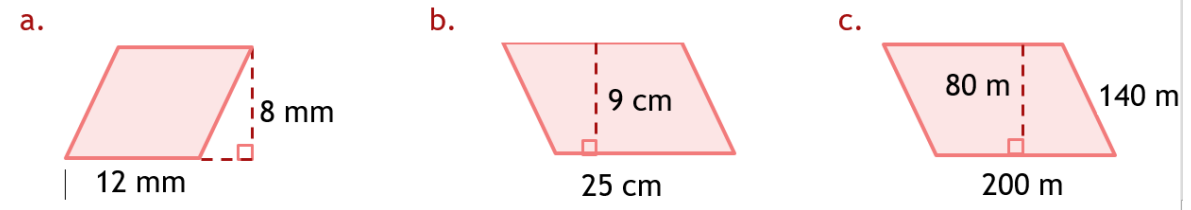


2. Which triangle is bigger?

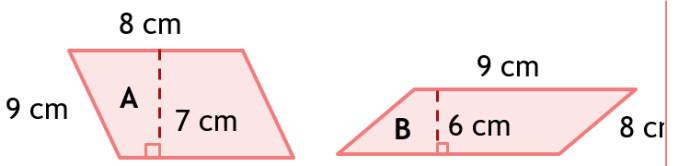


..... cm<sup>2</sup>                      ..... cm<sup>2</sup>

3. Find the areas of these parallelograms.



4. Which parallelogram is the smaller?



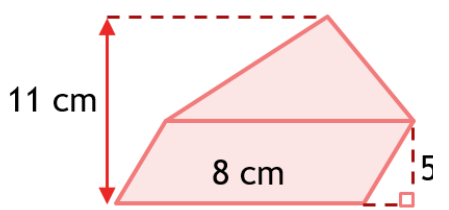
..... cm<sup>2</sup>                      ..... cm<sup>2</sup>

**Answer questions 5, 6 and 7 on the squared paper on the next slide**

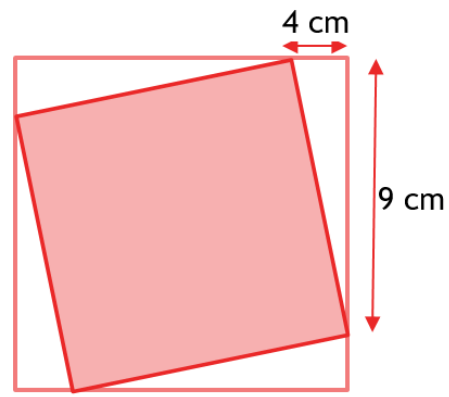
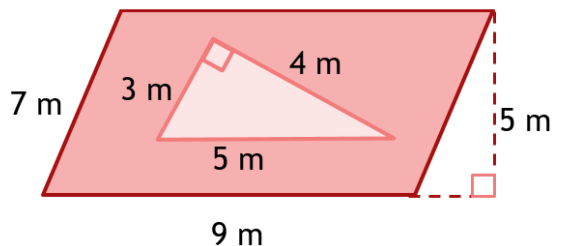
A larger square has a smaller (shaded) square drawn inside it, as in the diagram.

- Calculate the area of the larger square.

8. Find the area of the following shape.

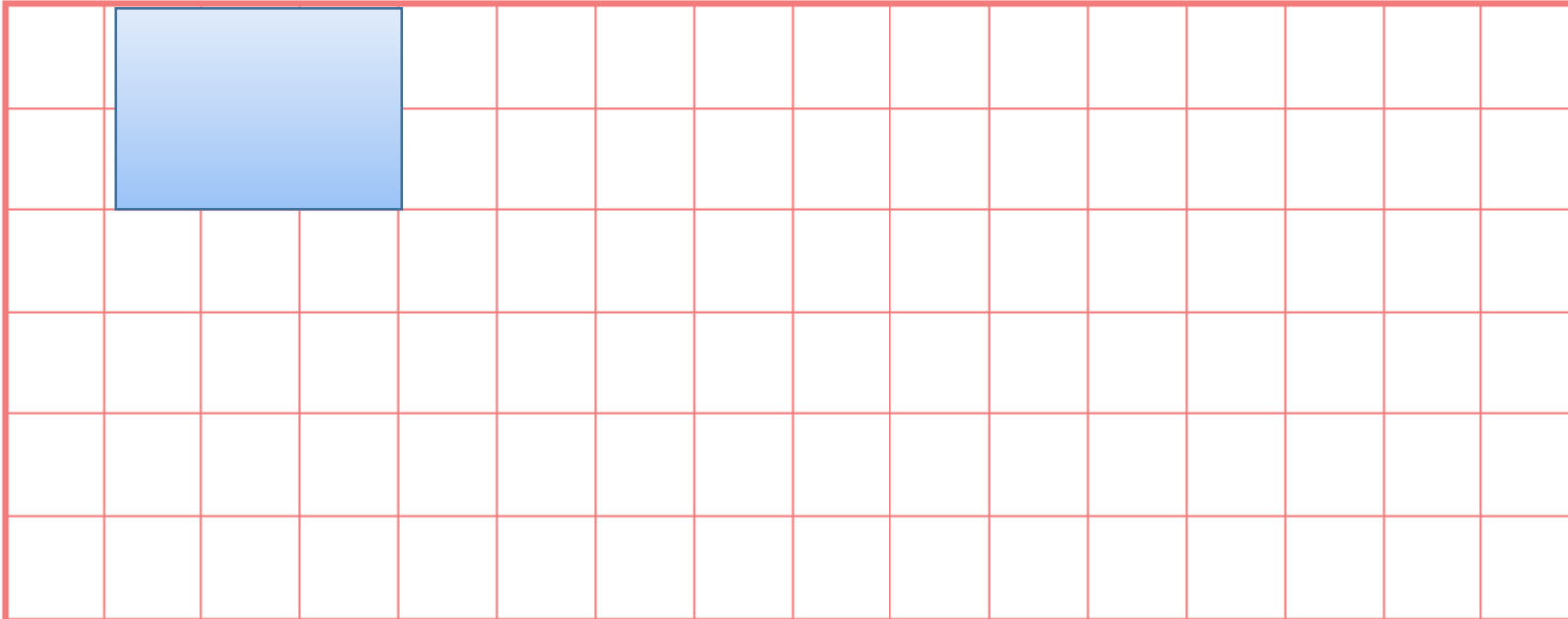
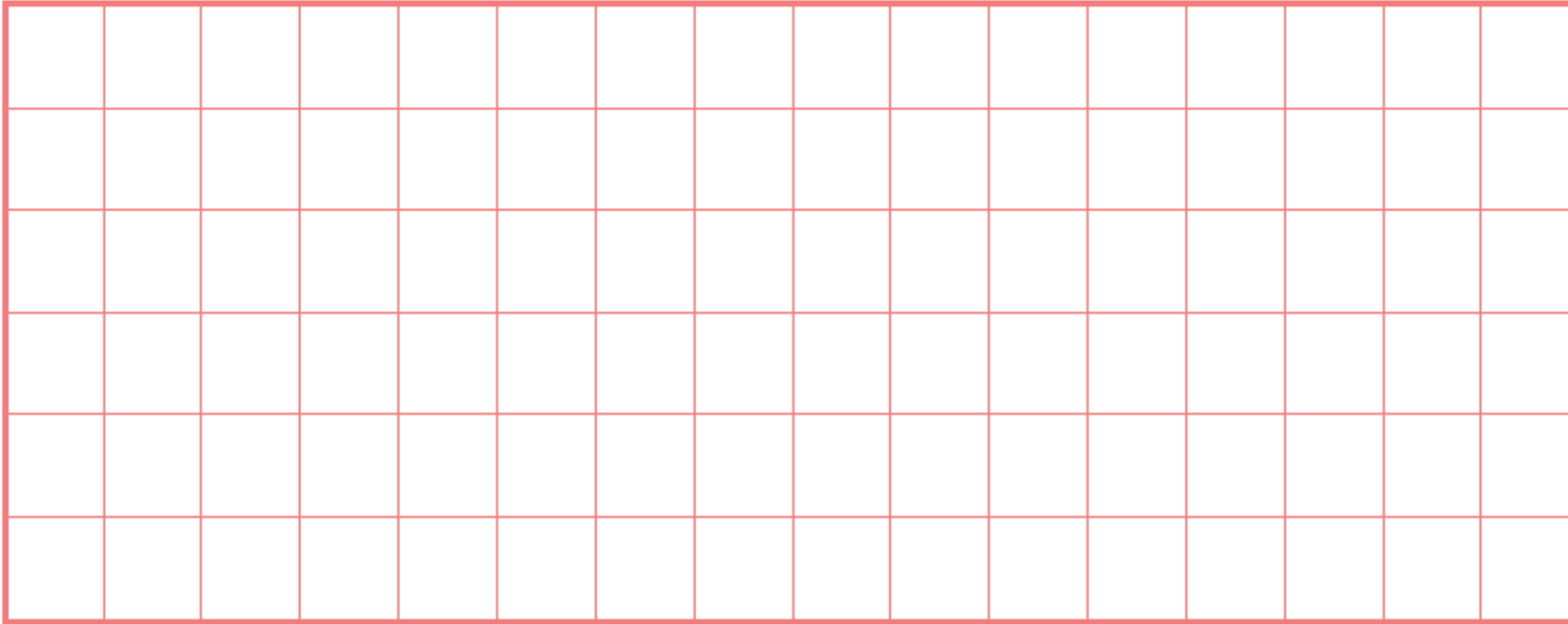


9. Work out the shaded area.



**Explain** how you can use the measures of a rectangle or square to help find the area of a right-angle triangle.





5. On the grid below draw the following shapes with an area of 4 square units:

- a. Triangle      b. Parallelogram

6. Draw two different triangles which have same area as the rectangle labelled A

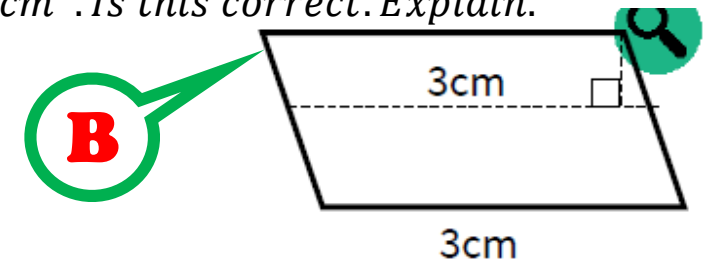
7. On the grid below, draw a parallelogram with an area of 16 cm<sup>2</sup>.

**Recap:**

Write the formula for calculating the area of a triangle.

Write the formula for calculating the area of a parallelogram

**Explain :** Tayyub is calculating the area of a parallelogram. He says the area is 6cm<sup>2</sup>. Is this correct. Explain.



# Maths Answers



Two right angled triangles can be created from one rectangle. The base of a right angle triangle becomes the length of the rectangle and the height of the triangle is the height of the rectangle.



Tayuub is incorrect. He has not found the perpendicular height and has instead found the base twice.

Find the area of the triangle.

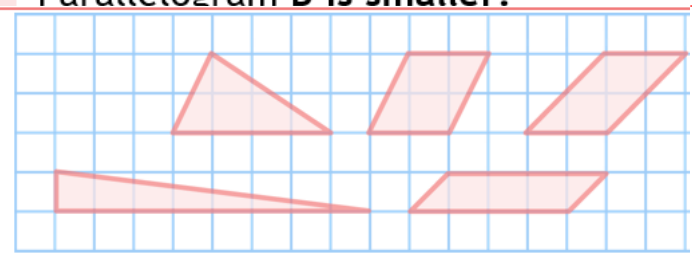
**7.5cm<sup>2</sup>**

This answer is:  Correct  Incorrect  
If incorrect, explain the error.

The pupil has used the incorrect measures to calculate the area of the triangle. They have used the height and the hypotenuse and then divided by two. Area of a triangle = (base x height) ÷ 2

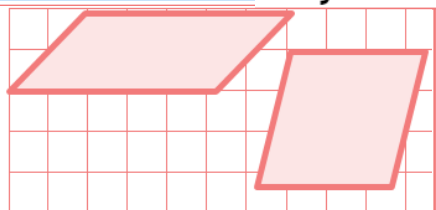
Correct answer = 6cm<sup>2</sup>

1. a. Area =  $6 \times 5 \div 2 = 15 \text{ cm}^2$
- b. Area =  $8 \times 7 \div 2 = 28 \text{ cm}^2$
- c. Area =  $9 \times 6 \div 2 = 27 \text{ m}^2$
2. Triangle A:  $8 \times 6 \div 2 = 24 \text{ cm}^2$ ;  
Triangle B:  $12 \times 5 \div 2 = 30 \text{ cm}^2$ ;  
Triangle B is larger.
3. a. Area =  $12 \times 8 = 96 \text{ mm}^2$
- b. Area =  $25 \times 9 = 225 \text{ cm}^2$
- c. Area =  $200 \times 80 = 16,000 \text{ m}^2$
4. Parallelogram A:  $8 \times 7 = 56 \text{ cm}^2$ ;  
Parallelogram B:  $9 \times 6 = 54 \text{ cm}^2$ ;  
Parallelogram B is smaller.



Triangles are 4 by 2 or 8 by 1 or reversed.  
Parallelogram 2 by 2 or 4 by 1 or 1 by 4.

7. Side length of square = 16  
 $\div 4 = 4\text{cm}$ , Area =  $4 \times 4 = 16 \text{ cm}^2$



Parallelogram dimensions could be: 16 by 1; 8 by 2; 4 by 4 or rotations of.

6. Area of rectangle =  $6 \text{ cm}^2$

8. Height of triangle =  $11 - 5 = 6 \text{ cm}$ .  
Area of Triangle =  $8 \times 6 \div 2 = 24 \text{ cm}^2$ ;  
Area of parallelogram =  $8 \times 5 = 40 \text{ cm}^2$ .  
Total area =  $24 + 40 = 64 \text{ cm}^2$

9. Area of triangle =  $4 \times 3 \div 2 = 6 \text{ cm}^2$ ;  
Area of parallelogram =  $9 \times 5 = 45 \text{ cm}^2$ .  
Shaded area =  $45 - 6 = 39 \text{ cm}^2$

## Challenge Question:

Larger Square:	Smaller Square:	Shaded area of smaller square:	
Length = $9 + 4 = 13 \text{ cm}$ . Area = $13 \times 13 = 169 \text{ cm}^2$ .	Area of one triangle = $9 \times 4 \div 2 = 18 \text{ cm}^2$ . Area of 4 triangles = $4 \times 18 = 72 \text{ cm}^2$	= $169 - 72 = 97 \text{ cm}^2$	169 cm <sup>2</sup>

## A little extra, inspired by Scarlett...

For next week's Zoom session, try learning some British Sign Language. Start with some simple greetings and phrases, such as "My name is...."

Then try to learn to say the whole alphabet with your fingers!

Go to: <https://www.british-sign.co.uk/> for tutorials - at the moment, you can sign up for **free** if you wish to!

There are lots of other good resources online as well:

<https://www.bing.com/videos/search?q=how+to+introduce+yourself+in+british+sign+language&docid=608009808136504885&mid=23E7B8C391358FC30D4823E7B8C391358FC30D48&view=detail&FORM=VIRE>

<https://www.youtube.com/watch?v=gMNHvXSW4iE> for basic, useful signs.

Notice how clear his movements and gestures are and how his facial expressions match what he is saying.



Learning BSL with us costs ~~just £25~~ whatever price you feel you are able to afford during this difficult time.

This one time enrolment-fee gives you free access to all of the online signing course material for 1 year so that you can come back at anytime to refresh your skills.



BRITISH SIGN LANGUAGE - FINGERSPELLING

LEFT HANDED

british-sign.co.uk LEARN BRITISH SIGN LANGUAGE ONLINE AT WWW.BRITISH-SIGN.CO.UK

BRITISH SIGN LANGUAGE - FINGERSPELLING

RIGHT HANDED

british-sign.co.uk LEARN BRITISH SIGN LANGUAGE ONLINE AT WWW.BRITISH-SIGN.CO.UK

<https://www.bing.com/videos/search?q=british+sign+language+alphabet&&view=detail&mid=31A926C8BE30C433983031A926C8BE30C4339830&&FORM=VRDGAR&ru=%2Fvideos%2Fsearch%3Fq%3Dbritish%2Bsign%2Blanguage%2Balphabet%26FORM%3DHDRSC3>

This will help you with the alphabet.

And this one will help learn it from the signer's (your) point of view: <https://www.youtube.com/watch?v=mkTeqA4kwUQ>

These skills are especially useful when we are using Zoom. Did you know that up to about 90% of communication is non-verbal? We rely on gesture and expression a lot more than we think!

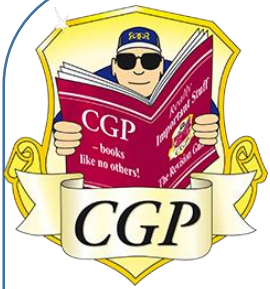
# Extra Home Learning KS2

Here are some extra websites and resources you can access if you would like your child to be doing more at home.

<https://www.kingathelstan.kingston.sch.uk/covid-19-maths/>



## Recommended Work Books



<https://www.cgpbooks.co.uk/primary-books/ks2/english/reading/em6hsb23-year-6-home-learning-bundle-maths-en>

**Mental Arithmetic**

The essential KS2 resource for fluency and confidence in mathematics



<https://www.schofieldandsimms.co.uk/key-stage-2-mental-arithmetic/>



<https://www.twinkl.co.uk/resources/covid19-school-closures>



**OAK  
NATIONAL  
ACADEMY**

The Oak National Academy has virtual lessons to follow!

<https://classroom.thenational.academy/year-groups/>



Log on to Busy things for fun learning activities. Use your j2e login.



<https://www.busythings.co.uk/play/>