

Home Learning Timetable

Year **6AB** Term 3 Week 6 - 8.2.21

Session	Time	Hyperlink	Meeting ID	Password
PE	9.00am	https://www.youtube.com/c/TheBodyCoachTV/videos	x	x
Maths	10.00am	https://zoom.us/j/92206506450?pwd=K1dIUcSzVnlqchHBCMS+5czZVWEVBZz09 - Mrs Pegden	922 0650 6450	0VKamx
English	11.30am	https://zoom.us/j/97642990415?pwd=ROZFTXpaNlhLM3NKQkhNcldXTk0yUT09 - Miss Jenkins	976 4299 0415	8rc5Cc
Afternoon Session	2.00pm	Monday, Wednesday & Thursday - Miss Jenkins https://zoom.us/j/97014197422?pwd=MFQzRGduRW5qTnEyaVVvaUtnSzVBZz09	970 1419 7422	F3MwfC
		Tuesday & Friday - Mrs. Pegden https://zoom.us/j/97581542343?pwd=Smt0a2xzWXIzbnhuU2NOaUZnM1q0dz09	975 8154 2343	41vBd3

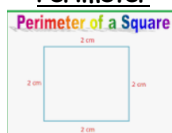
- Joe Wicks PE Sessions will be Mondays, Wednesdays & Fridays.
- Maths, English and Afternoon Sessions will be each week day, unless stated otherwise.
- Please arrive on time to the sessions to avoid missing out. Place yourself in the waiting room five minutes before the lesson starts if you are able to.
- **Please ensure that your device is named as your first name and surname.**
- Record work in your home-learning book which can then be photographed and emailed to your teacher.
- The Garlinge PE team are providing videos and activities that can be done at home. Click this link and go to the PE & Sports tab to find out more:

<https://www.garlingeprimary.co.uk/home-school-learning>

Monday 8.2.21

Maths

Perimeter



<https://www.bbc.co.uk/bitesize/articles/zf hkd6f>

Please open the BBC link, this lesson includes: a summary, one quiz, two videos and two interactive activities. Check that you know the linked vocabulary with perimeter. Use the bitesize lesson to remind you how to calculate perimeter.

Calculating perimeter

The **perimeter** is the distance all the way around the outside of a 2D shape.

To work out the perimeter, add up the lengths of all the sides.

Today

Scroll down to the two worksheets on perimeter. Don't forget to work out any missing measures on the tricky questions. The second sheet is a challenge!

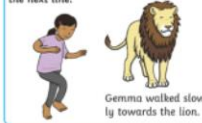
English

Using Hyphens

Hyphen - links words or parts of words. Different from a dash because you do not leave a space between a hyphen and the words in the sentence and it is half as long as a dash.



Used to show that a word continues on the next line.



Used to link separate words into one new word.



Starter Task: Correct the spelling errors in the attached sheet.

Hyphen Task:

When and why do we use hyphens in our writing?

How is a hyphen different to a dash?

Complete the worksheet below inserting the hyphen in to the correct place in the sentence.

Art/Science



Study your eye in the mirror. Can you name the different parts of your eye? How do we see? Discuss.

<https://www.bbc.co.uk/bitesize/clips/zf9c87h>

Look in the mirror again and have a go at trying to draw your eye on the sheet in the resources section. Use the step by step guide to help you too as well as using these videos:

<https://artprojectsforkids.org/how-to-draw-an-eye/>
<https://www.youtube.com/watch?app=desktop&v=2khWqpTWZOY>

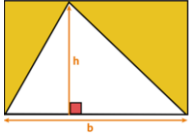
Now that you have practised, on a larger piece of paper redraw your eye. Inside the eye you are going to draw the reflection of something. It may be your favourite place, a person or a pet for example. Look at the examples provided. Now colour using paints, coloured pencils or felt-tipped pens.



Tuesday 9.2.21

Maths

Area of a Triangle



<https://www.bbc.co.uk/bitesize/articles/z6bq4xs> Please open the BBC link, this lesson includes: a summary, a video and three quizzes.

Check that you know the linked vocabulary with triangles and area - base and height. Use the bitesize lesson to remind you how to calculate the area of a triangle

Learn

If you know how to calculate the area of a rectangle (base x height), you can find the area of a triangle with no problems!

The area of a triangle is always half the area of a rectangle that has the same height and width.

This is because a triangle can always fit into a rectangle twice, no matter the shape of the triangle.

So the formula we could use to find the area of a triangle is:

$$(\text{base} \times \text{height}) \div 2$$

Today

Scroll down to the worksheet on area of triangles. Don't forget to show workings - base x height then divide by two.



English

Internet Safety Day - Comprehension



Why is internet safety important?

Read through the Safer Internet Day comprehension. Discuss the importance of this. Why do schools support Safer Internet Day? How can you be safe?

Make a note of any words that you are unsure of in the text and find their definition in a dictionary or online.

Answer the questions (1-10) on the questions sheet. Remember to reference your answers in the text.

Extension: Write an acrostic poem about internet safety.

ICT



Article 16: Right to privacy; Article 17: Access to information from the media.

Today is Safer Internet Day and the focus is on 'what we can trust' and 'commercial influences!'

Have you ever wanted / purchased something online because you saw someone advertise it? Have you ever entered a 'giveaway'? Have you ever been too quick to give away your details?

<https://www.bbc.co.uk/teach/live-lessons/safer-internet-day-live-lesson/zdh2wnb> This is a link to a live BBC video on Tuesday morning, but you can watch it at any time to learn more about internet safety.

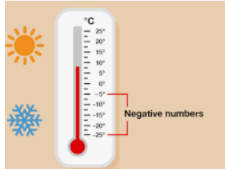
Take 'The Internet We Trust' Quiz in the attached resources.

Extension: Create a poster your top tips to make sure that what you are clicking on can be trusted.

Wednesday 10.2.21

Maths

Negative Numbers



<https://www.bbc.co.uk/bitesize/articles/zw7pm39> Please open the BBC link, this lesson includes: a summary, one quiz, a summary, one video and two interactive activities.

Check that you know the linked vocabulary with negative numbers. Use the bitesize lesson to remind you how to calculate a difference in negative numbers.

Top Tip

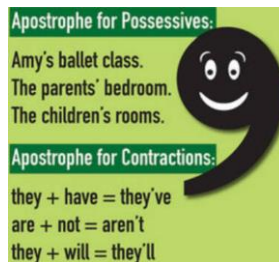
Draw a vertical line (going down) and mark on the minus reading, zero and the other number and then do the useful jumps if you are calculating a difference. Count what each little line is worth on the number line by looking at the information with the other numbers.

Today

Scroll down to the worksheet on negative numbers. Don't forget to do workings out if it helps with a vertical number line.

English

Apostrophes for Contraction and Possession



Apostrophes are used for 2 reasons:

- 1) To show possession (something belonging to someone e.g. Joe's bag.
- 2) When using contractions e.g. did not = didn't. This is where two words are shortened to make 1 new word.

Complete the worksheet below, identifying all of the contractions and apostrophes for possession in the text.

Topic/ICT

Mayan Temples



Many Mayan city-states built large palaces, pyramids, and other public buildings that are still standing today. The buildings were covered with carvings and statues to honor their gods as well as to commemorate their kings. Find out more about the temples:

https://www.ducksters.com/history/maya/pyramids_and_architecture.php

Chichen Itza

<https://video.nationalgeographic.com/video/0000144-0a21-d3cb-a96c-7b2d047d0000>

What have you learnt from watching this clip? Now research the temple Chichen Itza. There is an information page in the resources area along with some useful websites.

Create an information leaflet about Chichen Itza. You could include facts, dates and pictures to help keep your leaflet interesting.

Thursday 11.2.21

Maths

Square and Cubed Numbers

$$1^3 = 1 \times 1 \times 1 = 1$$

$$2^3 = 2 \times 2 \times 2 = 8$$

$$3^3 = 3 \times 3 \times 3 = 27$$

$$4^3 = 4 \times 4 \times 4 = 64$$

<https://www.bbc.co.uk/bitesize/articles/zqmpm39>

What is a squared number?

What is a cubed number?

What workings can you do?

Please open the BBC link, this lesson includes: a video, a learning summary and two quizzes.

Check that you know the linked vocabulary. Use the bitesize lesson to remind you how to calculate square and cubed numbers, along with the inverse.

Today

Complete the worksheet under Thursday's maths on square and cubed numbers. Do jottings to help you.

English

The Chinese New Year - Comprehension



When is the Chinese New Year? Why is it celebrated?

Read through the Chinese New Year comprehension. Discuss the importance of this to Chinese people.

Make a note of any words that you are unsure of in the text and find their definition in a dictionary or online.

Answer the questions (1-8) on the questions sheet. Remember to reference your answers in the text.

Extension: Complete the Mindfulness colouring sheet below and the crossword linked to the Chinese New Year.

ICT/ Topic



Over this term, you have researched the life of the ancient Mayan Civilization.

What have you learnt so far?

Your Task: Create either an information poster, non-chronological report or power-point about the life of the Mayans.

Read the information in the resources section which contains some information to help you.

Look through the learning that you have already completed in your book. You can also use:

<https://planbee.com/blogs/news/maya-facts-for-ks2-children-and-teachers>

<https://www.bbc.co.uk/bitesize/topics/zq65vcw>

There is also the longer 15-minute clip for a more detailed study into the ancient Maya.

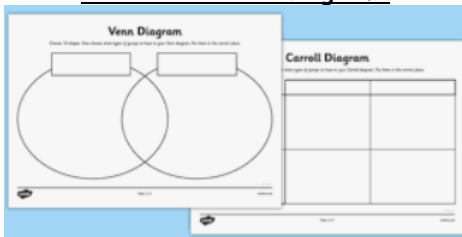
<https://www.youtube.com/watch?app=desktop&v=iaKofHyZ00c>

Extension: Can you find out what happened to the ancient Mayan civilization?

Friday 12.2.21

Maths

Carroll and Venn Diagrams



What is a Carroll diagram?

What is a Venn diagram?

What are they used for?

Watch the following clip explaining both types of diagram.

https://www.youtube.com/watch?v=-jN9v_Sb_1E

Scroll down to Friday's maths and answer the questions. Remember to make extra jottings as well to help you.

English



Yesterday we learnt about Chinese New Year.

Task: Use non-fiction books and the internet to create a fact file or information page about China.

How is China different/ the same to the UK? What do people eat in China? What interesting facts can you find out? You may like to present your findings/ research using PowerPoint / Word or as a poster.

Remember to use the key features:

- Title & Subheadings
- Pictures and labels
- Bullet points
- Key facts and details.
- Full sentences
- Specific vocabulary linked to the topic.

RE

LI: To describe the Five Pillars of Islam and how it affects a Muslim's daily life



What have you learnt about the five pillars of Islam? What do certain ones represent? Recap on your learning about the five pillars by looking at this video and the slides in the resources:

<https://www.youtube.com/watch?v=Q-SqdRzdxPQ>

You are going to create your own five pillars. Draw them in your book. Next to each one, write the following:

Shahadah - I believe...

Salah - Every day I will...

Zakah - Every time I get pocket money, I will...

Sawm - Once a year, I will...

Hajj - Once in my lifetime, I will...

How will you keep your five pillars? What will be hard to do? Will they make your life better?

Other Activities for the Week

Use the following link to practise your times tables. <https://trockstars.com>



Try watching Newsround each day to catch up on the latest news. There is also a weekly quiz! https://www.bbc.co.uk/newsround/news/watch_newsround



Can you write a list of top tips for the week linked to some of our mathematics learning? Remember to include key vocabulary.

Remember to read for Buster's Book Club every Wednesday. Here are the reading targets that you should aim for!

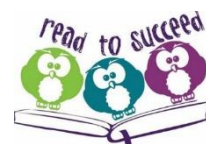


Years R and 1 - Aim for at least 10 mins of reading (sharing a book with a grown up)

Years 2 and 3 - Aim for 15 minutes of reading with an adult.

Years 4, 5 and 6 - Aim for 20 minutes of reading (with an adult or independently).

Try to read at least 20 minutes - three times a week - with a parent or supporting adult!



Enjoy story time with free online books and videos, play games, win prizes, test your knowledge in our book-themed quizzes, or even learn how to draw some of your favourite characters. <https://www.booktrust.org.uk/books-and-reading/have-some-fun/>



<https://clubs-kids.scholastic.co.uk/quizzes>

This is a great site where children can complete quizzes on a range of different books from KS2. There are also activity sheets and colouring sheets based around a number of ks2 books. Could we add this to the home learning extra resources section for years 3-6?

Can you find out further information on Chinese New Year or complete the mindful colouring sheet below to celebrate the Chinese New Year - The year of the Ox! There is also a crossword and word search you can have a go at too!



Monday's English - Hyphens

1. The hyphens are not being very helpful in these sentences because they are missing! Can you work out where the missing hyphens should go and rewrite the sentences to include them?

Remember hyphenated words should not contain spaces.

a) Tim wore his lime green shirt for the photoshoot.

b) Despite being quite moth eaten, the vintage wedding dress was very beautiful.

c) Our lodger seemed a fly by night character and mum worried she would not pay her rent.

d) The chocolate ice cream is absolutely delicious.

e) The nasty looking villain spotted his next victim in the heaving crowd.

f) There are two hundred and fifty three pupils at our school.

g) Eric had to retreat his dog with flea powder.

h) Mr Dobbs and Mr Trotter are coowners of 'Dobbs and Trotter Cars Ltd'

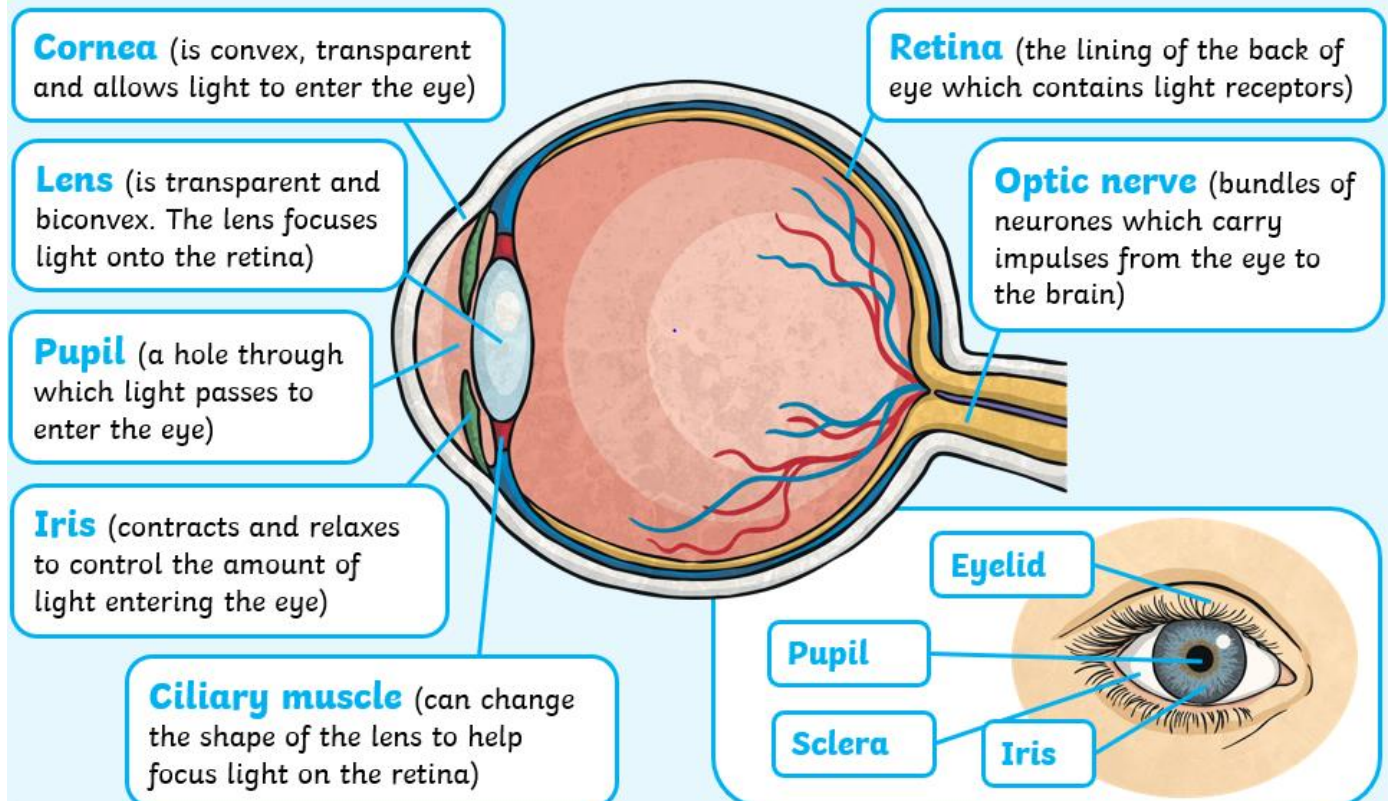
i) Children's clothes are usually tax free.

Monday's Answers

- a) Tim wore his *lime-green* shirt for the photoshoot.
- b) Despite being quite *moth-eaten*, the vintage wedding dress was very beautiful.
- c) Our lodger seemed a *fly-by-night* character and mum worried she would not pay her rent.
- d) The chocolate *ice-cream* is absolutely delicious.
- e) The *nasty-looking* villain spotted his next victim in the heaving crowd.
- f) There are two hundred and *fifty-three* pupils at our school.
- g) Eric had to *re-treat* his dog with flea powder.
- h) Mr Dobbs and Mr Trotter are *co-owners* of 'Dobbs and Trotter Cars Ltd'
- i) Children's clothes are usually *tax-free*.
- j) Toby had to *de-ice* his car this morning after the big frost last night.

Monday's Art/Science

Parts of the Eye



Scientists have found that originally all humans had brown eyes. All people who have blue eyes have a common ancestor who was born 6000-10000 years ago with a genetic mutation!

You could try to find out:

- what a genetic mutation is;
- how your eye colour is linked to your health and abilities;
- if pupula duplex is a real syndrome;
- how irises are used for security purposes.

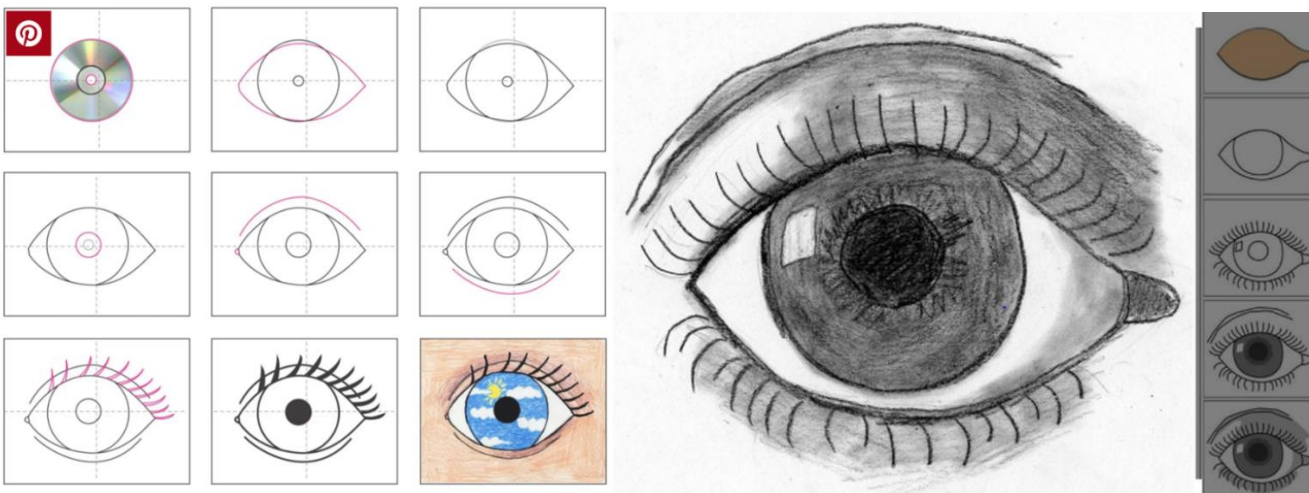
Our eyes are amazing! You can check out different parts of the eye by looking at your own eye in the mirror or by looking at (but not touching) a friend's eye. Have a go at sketching your or your friend's eye. Pay close attention to the wonderful detail and light and shadows.



Photo courtesy of Katherine Gunder (@yourfantasyart) - granted under creative commons license - attribution

Top tips for sketching your eye:

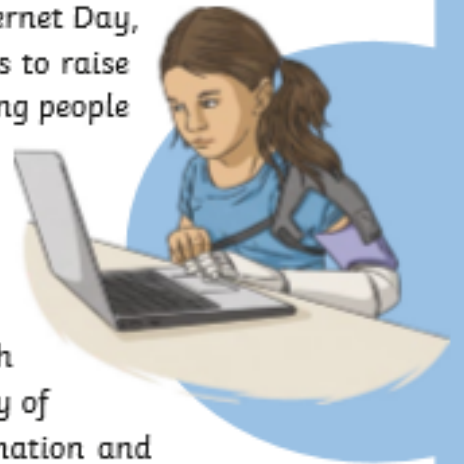
- Start by drawing the outline, which shows the shape.
- Leave light reflections close to the pupil.
- Use layers to shade in the pupil.
- Use lines to show the highlights and shadows that the iris has.



Safer Internet Day 2021

Every year, schools across the world support Safer Internet Day, an event which started in 2005. The aim of the day is to raise awareness about current online issues and to help young people learn about how to be safe and sensible online. This year's event is being held on Tuesday 9th February.

Each year, Safer Internet Day has a different, themed focus. The theme for 2021 is, 'An Internet we trust: exploring reliability in the online world', which highlights the importance of questioning the reliability of what we see online by asking, what is factual information and what might be fiction?



An Internet We Trust: Exploring Reliability in the Online World

The online world is a great source of information and offers opportunities to research, learn new facts or skills and even broaden viewpoints for people of all ages. The Internet is also a great way for young people to experience positive relationships with their peers, such as through gaming and social media sites. However, as they navigate around the online world, they are constantly having to make decisions about who and what to trust.

The 2021 Safer Internet Day campaign focuses on how to decide what we can trust on the Internet, supporting young people to question, challenge and improve the online world. It hopes to give young people the skills and strategies to make smart decisions while online and to be able to spot and speak out against any harmful and misleading content they might come across.

Uses of the Internet

We all use the Internet differently. Here are some online activities that people enjoy:

- listening to music
- using apps to keep in touch with family who live far away
- watching funny videos
- chatting with friends
- gaming
- researching for homework

How do you like to use the Internet?



Everything Is Not Always as It Seems

Photos

Photos can often embellish (exaggerate) real life. People usually use the prettiest, happiest pictures of themselves to share online. Images of other people's (carefully chosen) so-called, perfect lives can sometimes leave you feeling low. Try not to compare yourself; remember that these photos probably don't tell the whole story.

Fake News

Although the Internet is a great source of information for young people, we should not always believe everything we read. Unfortunately, the online world also contains misleading content and fake news. Fake news is false information that is published, claiming to be true and reliable news.

Bogus and fictitious information can be incredibly harmful as it can influence and persuade our decisions, actions, views and opinions, as well as what we share online. It also breaks the trust we have of people in the media, many of whom are in fact reporting honestly.

Safer Internet Day 2021 will look at why inaccurate content exists, where it comes from and how young people can manage it.



Reducing Screen Time

If you find yourself spending a lot of time online and even thinking about it when you're offline, then you probably need to reduce your screen time. While the Internet can be fun, there's a whole world out there, waiting to be explored. Make sure you take regular breaks away from electronic devices.



Did You Know...?

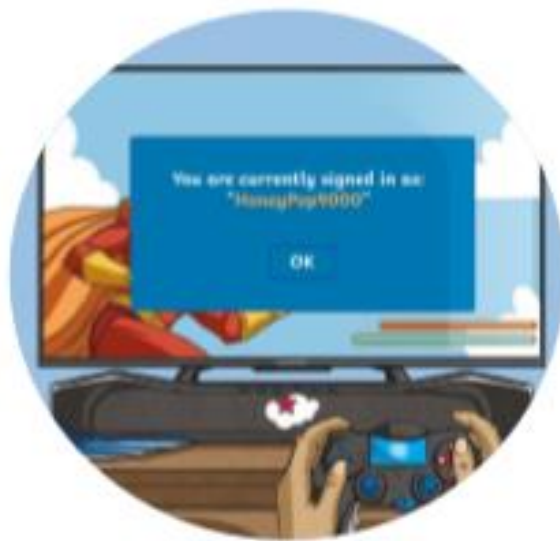
Globally, over 4.6 billion people are regular Internet users according to a study from October 2020. This encompasses approximately 59% of the global population.

Staying Safe Online

The Internet is an incredibly powerful tool that can be accessed at all times through devices at our fingertips. However, it is crucial to consider how, when and why we use it. Staying safe online is very important for our health and wellbeing. We also need to be supporting others online, just as we would help and support our friends and family offline.

Sometimes, if we are in a group chat or playing an online game, we might see or hear something that worries, confuses or upsets us. If this happens, there are ways to report it so that it is less likely to happen again. For example, many apps and games have 'Report', 'Help' or 'Block' buttons. 'Report' can help us to report anything that makes us feel unsafe or unhappy. 'Help' is if you have a problem with an app and 'Block' is useful if you don't want to get any more messages from someone. It can also be a good idea to save evidence (such as a picture or a message).

Most importantly, we should tell an adult about what has happened and how it has made us feel.



Safer Internet Day 2021 celebrates the amazing range of information and opportunities online. The Internet has potential to inform and connect young people but they must remember to be safe, sensible and know how to be able to separate fact from fiction.

Questions

1. What is the theme of Safer Internet Day 2021?

2. Which of the following is the 2021 Safer Internet Day theme focusing on? Tick **two**.

- questioning the reliability of what we see online
- researching homework
- to give young people the skills and strategies to make smart decisions while online
- making inaccurate content

3. Find and copy a word that means the same as 'find their way'.

4. Fill in the missing words.

Although the Internet is a great source of information for young people, we should not always everything we read. Unfortunately, the online world also contains content and fake news.

5. Describe what fake news is in your own words.

6. In what way can the Internet help families that live in different countries?

7. Click on the correct action to take to match the situations.

Sid tries but he can't log on to his game.	Tell an adult.	∨
A stranger keeps sending Luca annoying messages.	Use the Block button	∨
Abdulrahman saw a video that worried him.	Use the Help button	∨
Something has made you feel unsafe, worried or unhappy.	Use the Report button	∨

8. Nisha is worried about an unkind comment that someone made on her latest video. Someone tells her to 'forget about it' but she is still worried. Do you think this advice is helpful? What could she do instead? Support your answer with evidence from the text.

9. Do you think Safer Internet Day is important? Explain your answer.

1

You're watching a livestream of a popular gamer. They keep showing a cool new headset they've got and talking about how everyone should have one. They post a link in the chat where you can buy it too. What do you do?



- A Trust the gamer's advice – they're an expert after all and click on the link to buy it.
- B Do some research and read some reviews to see how other people rate the headset, before buying it.
- C Stick with the headset you already own for now – it works fine, and you'd rather take your time instead of rushing into a new purchase.

2

You see a news headline online about two of your favourite internet stars having a 'feud' and falling out after recently working together. What do you do?

- A Click on the article to find out more and check a couple of other places to see if they're reporting the same thing.
- B Click on the article to see what it says, then share the link with your friends.
- C Message your friends immediately – this is big news!



3

You watch a funny prank video where a man has tricked his partner into thinking he's chopped off his finger and decide to share it with your cousin, who replies, "Haha – they're good actors but this is definitely fake!" What do you do?



- A Scroll through the comments to see whether other people think the prank was faked and watch some of their other videos to see if you can find any other clues the prank might be faked.
- B Message your cousin saying they're wrong – what would be the point in faking a prank video?
- C Report the video – they shouldn't be allowed to post fake pranks!

4

There's an exciting new dance trend that's gone viral and everyone is trying it out. You're supposed to post the video of your first attempt, but when you watch yours back it doesn't look as good as the others you have seen. What do you do?

- A Keep practising off camera and post a video when you've got better, pretending it's your first go.
- B Post your first attempt with a laughing emoji, then keep practising and post another one when you've improved.
- C Comment on all the other videos accusing them of lying about it being their first attempts and make sure everyone knows that the trend can't be trusted.



5

You receive a direct message from a close friend with a picture of some designer sunglasses that say 50% off and a long link to a website you don't recognise. What do you do?



- A Click on the link – your friend would only send you something they think you might be interested in.
- B Send the link to someone else to see if they think the offer is real or not.
- C Contact the friend who sent you the message another way and ask them if they sent it and where the link goes.

6

A friend from school sends you a message. It tells a creepy story and then says that if you don't send it on to five people in the next 5 minutes then something terrible will happen. What do you do?

- A Speak to an adult about what the message said and then delete it, without sharing it on.
- B Send an angry message to your friend about sending annoying messages.
- C Send a message to five of your friends, telling them not to read the next message and then forward the creepy story to them so nothing terrible happens.



7

You've been chatting with an online friend for several months after you met on a fan page for a band you both like. They've just announced a concert coming up and you're desperate to go. Your friend messages asking if you want to go together – they'll even pay for your ticket! What do you do?

- A Agree to go with them! You've been chatting for ages and it's nice to have a friend who likes the same things as you.
- B Speak to your parents, a teacher or another adult you trust about what your friend has offered.
- C Send them your phone number so you can speak about the plan more before deciding.



8

One of your favourite YouTubers is hosting a giveaway and you really want to enter. What do you do?

- A Check the instructions carefully and weigh up whether what you have to do to enter is worth the possibility of winning the prize.
- B Follow the instructions straightaway to give you the best chance of winning.
- C Ignore it – you never win anything anyway!



9

An older family member shares a news article they found online – you have a read and quickly spot that some of the photos included in the article are from a different event than they say they are. What do you do?

- A Tell your whole family that the article is fake and have a laugh at how stupid your relative has been.
- B Say nothing – they're older than you, so it's not your place to criticise them.
- C Send the family member a private message or speak to them in person and let them know your concerns.



10

You watch a documentary online that all your friends have been talking about, but aren't sure whether it's true. It seems to be based on rumours and a lot of it has been quite exaggerated. What do you do?

- A Spend hours researching and reading about it online to try and get to the bottom of what's going on.
- B Accept that even some 'factual' shows may not be completely reliable as they are often produced for entertainment as well, but enjoy the show anyway.
- C Believe it – even if it is just rumour, it's much more fun and exciting if you pretend it's true.



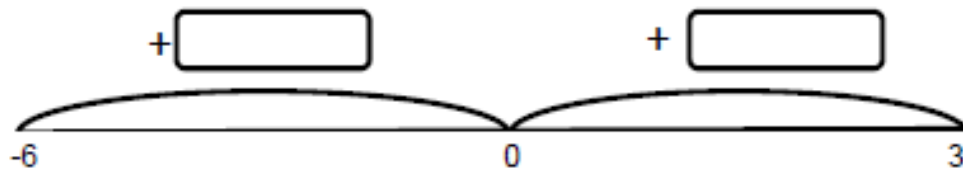
Answers You can find more info about this quiz here

<https://d1afx9quaogywf.cloudfront.net/sites/default/files/Safer%20Internet%20Day%202021/SID2021%20-%20Quiz.pdf>

CAABCABACB

Wednesday's Maths

To calculate the difference between a negative and positive number we can jump on a number line from the negative number to zero, and then from zero to the positive number.



Felix is finding the difference between -6 and 3. He has drawn a number line to help him. Label the jumps above.

The difference between -6 and 3 is

The table below shows the temperatures of different cities on one day in January.

Loxley	London	Moscow	New York	Sydney	Paris	Cape Town	Toronto
-2 °C	5 °C	-8 °C	1 °C	23 °C	8 °C	17 °C	-12 °C

What was the difference in temperature between Loxley and London?

How much warmer was Paris than Toronto?

What was the difference in temperature between Moscow and Cape Town?

How much warmer was the warmest city than the coldest city?

The next day the temperature in London fell 12°C. What was the new temperature?

The next day the temperature in Toronto rose 10°C. What was the new temperature?

Circle two numbers with a difference of 6.

2 -2 5 -5 3 -1

Continue the sequence below

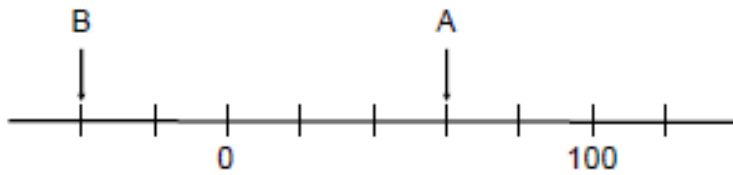
1) 27, 22, 17, 12, 7, ,

2) 54, 34, 14, ,

3) 310, 220, 130, 40, ,

Wednesday's Maths Challenge

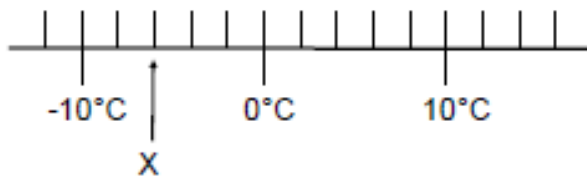
1) Here is part of a number line.



What is the value of A?

What is the value of B?

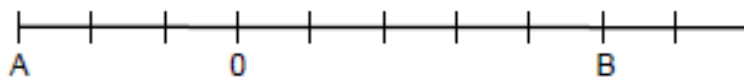
2) Here is part of a temperature scale.



What is the temperature shown at X?

What temperature is 10°C higher than X?

3) A and B are two numbers on a number line. The difference between them is 40.

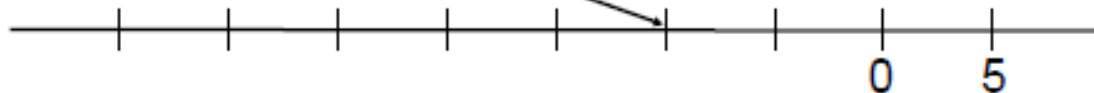
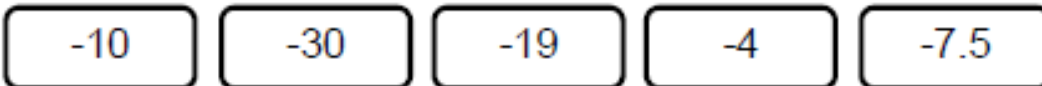


What is the value of A?

What is the value of B?

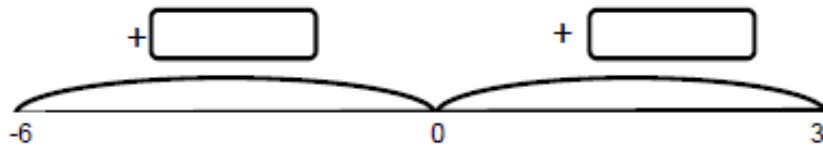
4) Draw arrows to show where the following numbers belong on the number line.

The first has been done for you.



Wednesday's Maths Answers

To calculate the difference between a negative and positive number we can jump on a number line from the negative number to zero, and then from zero to the positive number.



Felix is finding the difference between -6 and 3. He has drawn a number line to help him. Label the jumps above.

The difference between -6 and 3 is

The table below shows the temperatures of different cities on one day in January.

Loxley	London	Moscow	New York	Sydney	Paris	Cape Town	Toronto
-2 °C	5 °C	-8 °C	1 °C	23 °C	8 °C	17 °C	-12 °C

What was the difference in temperature between Loxley and London?

How much warmer was Paris than Toronto?

What was the difference in temperature between Moscow and Cape Town?

How much warmer was the warmest city than the coldest city?

The next day the temperature in London fell 12 °C. What was the new temperature?

The next day the temperature in Toronto rose 10 °C. What was the new temperature?

Circle two numbers with a difference of 6.

2

-2

5

-5

3

-1

Continue the sequence below

1) 27, 22, 17, 12, 7, ,

2) 54, 34, 14, ,

3) 310, 220, 130, 40, ,

Answers:

1) A = 60, B = -40

2) X = -6 °C , 4 °C

3) A = -15, B = 25

Wednesday's English - Apostrophes

"It's a bit like a journey to another world, isn't it?" said Cole, craning over his sister, Mara, to catch a glimpse of Grandma Jenny's house through the trees. "It's like a window through time..."

"I'm trying to sleep," said Liam, as Dad swung the car round a tight bend, causing the wheels to skid.

Cole ignored his brother. "I mean, Grandma Jenny's house must be a hundred years old at least. It's so crumbly."

"Nearly three hundred," Mum corrected.

"She doesn't have a proper TV, either – just that boxy thing, and her phone is stuck to the wall. I mean, it has buttons! It's like she lives in a museum."

"Well, don't tell Grandma that, for goodness' sake," said Mum. "You'll hurt her feelings."

Cole told Grandma Jenny about his friend, Leo, and his birthday party at the trampoline centre that had ended with a trip to A&E and Leo's arm in plaster.

"Cole," said Mum, "we're dying of thirst out here." She brought in another armload of empty boxes from the car, her face beaded with sweat. "Stop talking Grandma's ear off. Could you get us something to drink, please?"

Write the words containing an apostrophe in the correct column of the table. You only need to write each word once, even if it appears in the text again. If the word is a contraction, write the longer form in the last column. One has been done for you.

Possession	Contraction	Longer Form
	It's	It is

Wednesday's English Answers

Possession	Contraction	Longer Form
Jenny's	isn't	is not
Leo's	I'm	I am
Grandma's	doesn't	does not
	we're	we are

Challenge:

"Well, don't tell Grandma that, for goodness' sake," said Mum. "You'll hurt her feelings."

Wednesday's Topic Lesson

<https://www.attractiontix.co.uk/blog/2015/07/24/chichen-itza-facts-for-kids/>

https://kids.kiddle.co/Chichen_Itza

<https://kidadl.com/articles/fascinating-chichen-itza-facts-for-kids>

http://www.funfacts.org.uk/wonders_of_world/chichen-itza.htm

Chichen Itza

Temple of the Warriors

A large, stepped pyramid with rows of columns sculpted to look like warriors, and other columns like serpents.



At the top of the staircase, in front of the temple at the top, is a chacmool.



chacmool - reclining man

Cenote Sagrado

This is a natural sink hole, 60 metres across and surrounded by cliffs 27 metres above the water.

Thousands of objects such as shell, jade, wood, obsidian (black glass), cloth and gold as well as human skeletons have been found at the bottom.

It was a place of pilgrimage as well as somewhere to sacrifice victims on occasion!



La Iglesia

A rectangular building with a single room inside. It has very detailed carvings including a mark of the god Chac sticking out on all four corners.

Other carvings include an armadillo, a snail, a turtle and a crab.

According to Maya mythology these animals hold up the sky.

Chichen Itza

Platform of the Eagles and Jaguars

- This platform has carvings of eagles and jaguars eating human hearts.
- They represent the warriors who captured the victims for sacrificing to the gods.
- The eagle knights were archers and the jaguar knights fought with wooden clubs tipped with slices of glass.



Tzompantli or The Wall of Skulls

- The heads of sacrificial victims were placed on this platform.
- As well as the wall of skulls, there are also carvings showing a human sacrifice, eagles eating human hearts and skeleton warriors with shields and arrows.



Chichen Itza

This intricately carved building was drawn by Frederick Catherwood when he explored the ruins in 1839.



There are various stone platforms at Chichen Itza, probably used as podiums for rituals, ceremonies or dances.

The Venus Platform

- This one is known as the Venus Platform.
- The skull of a decapitated man was found on the stairway!
- It was originally painted in ochre, blue, red, green and black.
- You can see carvings of the planet Venus and Kukulcan (the serpent bird man).



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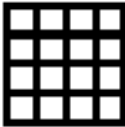
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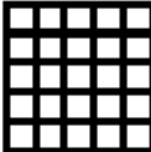
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Thursday's Maths

1 
 $4^2 = 4 \times 4$

2 
 $3^3 = 3 \times 3 \times 3$

3 
 $5^2 = 5 \times 5$

4 
 $2^3 = 2 \times 2 \times 2$

5 6^2

6 4^3

7 8^2

8 1^3

9 $9^2 - 3^3$

10 $5^3 - 11^2$

11 I squared a number and got 49.
What number did I start with?

12 A square lawn is 12 metres wide.
What is the area of the lawn?
 m²

13 Adam adds two square numbers.
His answer is 45.
Which numbers did he add?
 and

14 Gabs thought of a number.
She cubed her number and got an answer
of 1000.
Which number did she begin with?

Answers:

- 1) 16 2) 27 3) 25 4) 8 5) 36 6) 64 7) 64 8) 1 9) $81 - 27 = 54$ 10) $125 - 121 = 4$ 11) 7 12) 144
13) 36 and 9 14) 19

The Year of the Ox

Chinese New Year is one of the most significant dates in the Chinese calendar: it marks the beginning of the new **lunar year**. Because of this, Chinese New Year falls on a slightly different date each year.

The Legend of the Chinese Horoscope

According to Chinese culture, each lunar year is represented by one of 12 animals. This tradition dates back thousands of years and is said to have begun with a story. However, given its age, many versions of the story exist and it is unclear which version was the original tale. One story holds the main character as Buddha while another states that it was the Jade Emperor. Nevertheless, both stories are very similar and name the same 12 animals. In one version of the Chinese myth, Buddha called out to all of the animals on Earth and asked them to come and see him yet only 12 animals answered Buddha's call. To repay them for their loyalty, Buddha gave each one of these animals their own year in the Chinese zodiac cycle.

One such animal was the ox. The Year of the Ox begins on 12th February 2021. It is the 4719th year of the Chinese calendar and it will run until 1st February 2022 when the Year of the Tiger begins. Once the Year of the Tiger begins, the next Year of the Ox will only begin again in 2033.

Traits of the Ox

People born in each year of the Chinese zodiac cycle are believed to demonstrate particular traits and qualities. These characteristics are said to reflect the animal that the year is named after; for example, the ox is said to be a strong and reliable creature.

Each zodiac sign is also linked with one of five elements: wood, fire, earth, water and metal. Depending on the year that you were born and the element that you are linked to, people born in a Year of the Ox are said to have different traits.

Year of Birth	Type of Ox	Traits
1925 or 1985	Wood Ox	brave, outspoken and resourceful
1937 or 1997	Fire Ox	clever and adaptable
1949 or 2009	Earth Ox	smart, confident and determined
1913 or 1973	Water Ox	hard-working and realistic
1961 or 2021	Metal Ox	busy and active with good people skills

Overall, people born in the Year of the Ox are said to be faithful, dependable, persistent and diligent. They are believed to be quiet and level-headed and they are known for their determination and their attention to detail.

Predictions and Horoscopes

The Chinese culture surrounding the zodiac includes many beliefs and **horoscopes**. Just as the above traits are believed to apply to anyone born in a Year of the Ox, the following predictions are also believed to be true for those people in 2021:

- People born in the Year of the Ox will have a positive year in 2021.
- 2021 will be a good year for gaining wealth.
- It will be important for them to take extra care of themselves.
- They should be prepared to rely on friends for support during busy times.
- They should be prepared to take extra trips this year.

Glossary

horoscope: Predictions about what will happen in someone's future based on the positions of the stars when that person was born.

lunar year: A year in which the months are calculated based on the Moon's phases rather than the Sun's movement.



1. Which of the following types of ox are listed in the Chinese zodiac cycle? Tick **two**.

- Metal Ox
- Stone Ox
- Wind Ox
- Wood Ox

2. On which date does the Year of the Tiger begin? Tick **one**.

- 12th February 2021
- 1st February 2022
- 21st February 2022
- 21st January 2021

3. Find and copy one word which shows that it is not known which version of the story is the original tale.

4. List **two** of the supposed traits of an Earth Ox.

- _____
- _____

5. In which section of the text would you find the date of the next Chinese New Year?

6. Why does Chinese New Year fall on a slightly different date each year?

7. How might people born in the Year of the Ox be rewarded for their hard work in 2021?

8. **...Buddha called out to all of the animals on Earth and asked them to come and see him yet only 12 animals answered Buddha's call.** Explain why you think that the ox was one of the 12 animals that responded to Buddha's call.

1. Which of the following types of ox are listed in the Chinese zodiac cycle? Tick **two**.

- Metal Ox**
- Stone Ox
- Wind Ox
- Wood Ox**

2. On which date does the Year of the Tiger begin? Tick one.

- 12th February 2021
- 1st February 2022**
- 21st February 2022
- 21st January 2021

3. Find and copy one word which shows that it is not known which version of the story is the original tale.

unclear

4. List **two** of the supposed traits of an Earth Ox.

Accept any two of the following: smart; confident; determined.

5. In which section of the text would you find the date of the next Chinese New Year?

The Legend of the Chinese Horoscope

6. Why does Chinese New Year fall on a slightly different date each year?

Pupils' own responses, such as: Chinese New Year falls on a slightly different date each year because it marks the beginning of the lunar year whereas the other calendar that we use is based on the Sun's movements instead.

7. How might people born in the Year of the Ox be rewarded for their hard work in 2021?

Pupils' own responses, such as: People born in the Year of the Ox might be rewarded for their hard work in 2021 by gaining wealth.

8. ...**Buddha called out to all of the animals on Earth and asked them to come and see him yet only 12 animals answered Buddha's call.** Explain why you think that the ox was one of the 12 animals that responded to Buddha's call.

Pupils' own responses, such as: I think the ox was one of the 12 animals that answered Buddha's call because the ox is said to be a reliable creature.

Thursday's ICT/Topic lesson MAYA CIVILIZATION

Life as a Maya Noble

The Maya king and his nobles lived an easy life. They had their every need provided for by the commoners. They were even carried from place to place in litters by slaves.

Life as a Maya Commoner

Life as a Maya commoner was full of hard work. The typical peasant worked as a farmer. At the start of the day, the wife would get up early and start a fire for cooking. Then the husband would leave to go work at the fields. After a hard day working at the fields, the farmer would come home and bathe. Bathing was an important part of the day for all the Maya people. The men spent evenings working on crafts such as tools, while the women wove cloth to make clothing.

What were their clothes like?

The clothing worn by the Maya depended on the region they lived in and their social status. The wealthy wore colorful clothing made from animal skins. They also wore feather headdresses and fancy jewelry.

Commoners wore simpler clothing. The men often wore loincloths while the women wore long skirts. Both men and women would use a blanket called a manta to wrap around their shoulders when it was cold.

Men and women both wore their hair long. Once they were married, both men and women often got tattoos.



What did the Maya eat?

The most important food that the Maya ate was maize, which is a vegetable like corn. They made all types of food from maize including tortillas, porridge, and even drinks. Other staple crops included beans, squash, and chilies. For meat the Maya ate fish, deer, ducks, and turkey.

The Maya introduced the world to a number of new foods. Probably the most interesting was chocolate from the cacao tree. The Maya considered chocolate to be a gift from the gods and used cacao seeds as money. Other new foods included tomatoes, sweet potatoes, black beans, and papaya.

What were their homes like?

The nobles and kings lived inside the city in large palaces made from stone. The commoners lived in huts outside the city near their farms. The huts were usually made from mud, but were sometimes made from stone. They were single room homes with thatched roofs. In many areas the Maya built their huts on top of platforms made from dirt or stone in order to protect them from floods.

Entertainment

Although much of the Maya life was spent doing hard work, they did enjoy entertainment as well. A lot of their entertainment was centered around religious ceremonies. They played music, danced, and played games such as the Maya ball game.



Interesting Facts about Maya Daily Life

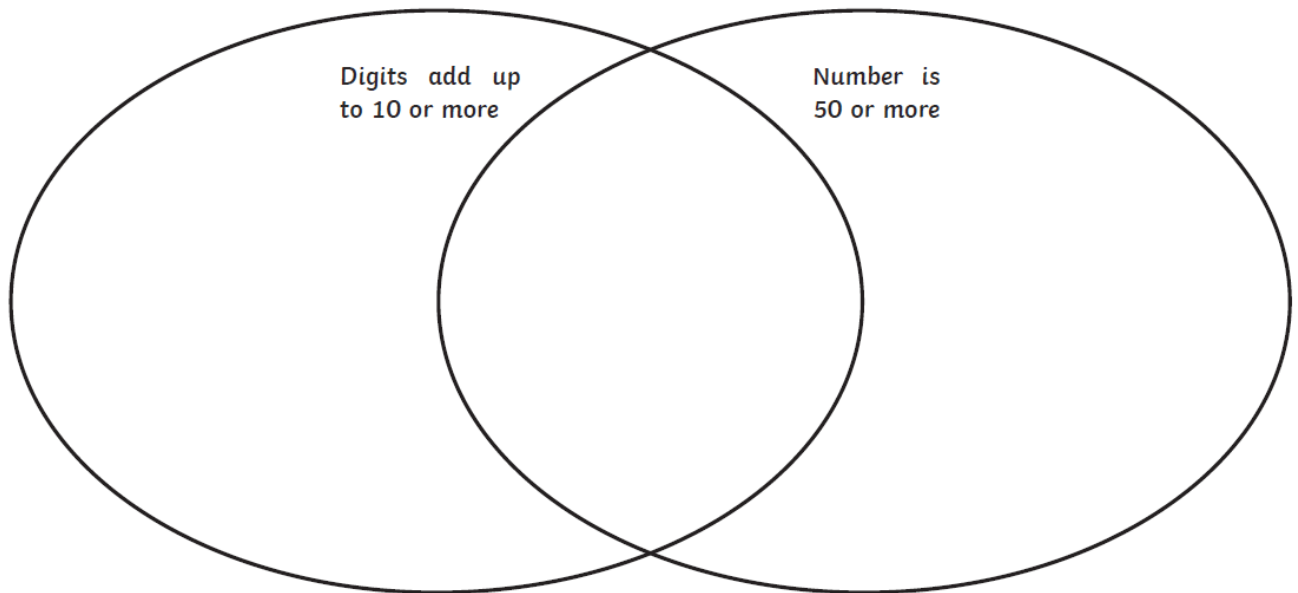
- The Maya considered crossed eyes, flat foreheads, and big noses to be beautiful features. In some areas they would use makeup to try and make their noses appear large.
- The Maya loved to wear large hats and headdresses. The more important the person, the taller the hat they wore.
- The farmers of the Maya did not have metal tools or beasts of burden to help them farm. They used simple stone tools and did the work by hand.
- Sometimes the ball games that the Maya played were part of a religious ceremony. The losers were sacrificed to the gods.
- The Maya had hundreds of different dances. Many of these dances are still practiced today. Some examples of the dances include the Snake dance, the Monkey dance, and the Dance of the Stag.

Friday's Maths

Venn Diagram

Write these numbers in the correct place and then add 2 more of your own:

55, 47, 80, 100, 39, 64, 76, 89, 29, 19, 99, 56, 63.



Carroll Diagram

Write these numbers in the correct place and then add 2 more of your own:

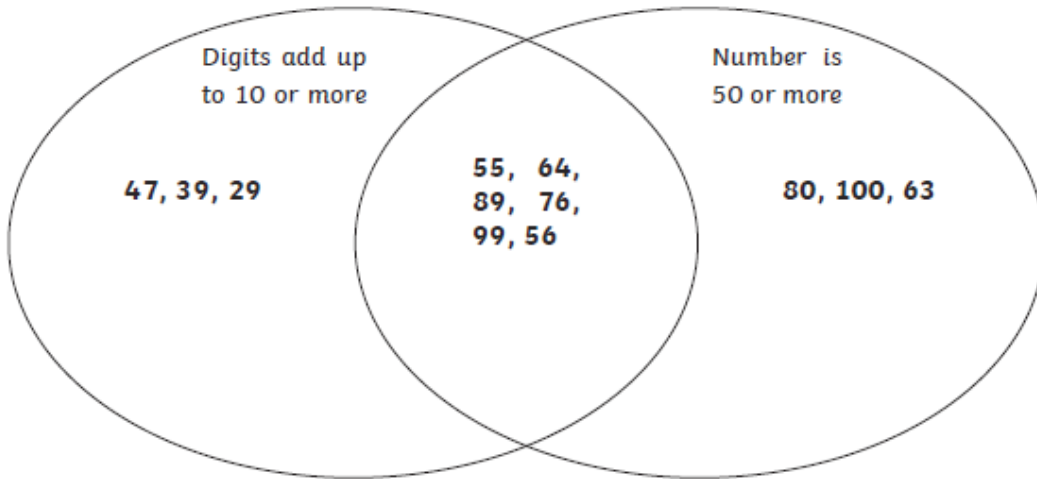
55, 47, 80, 100, 23, 39, 64, 76, 89, 43, 20, 5, 29, 11, 32, 19, 99, 56, 63, 7.

	Number is 30 or more	Number is less than 30
Digits add up to 10 or more		
Digits add up to less than 10		

Venn and Carrol **Answers**

Write these numbers in the correct place and then add 2 more of your own:

55, 47, 80, 100, 39, 64, 76, 89, 29, 19, 99, 56, 63.



	Number is 30 or more	Number is less than 30
Digits add up to 10 or more	55, 47, 64, 76, 39, 89, 99, 56	29, 19
Digits add up to less than 10	80, 100, 43, 32, 63	23, 20, 5, 7, 11

China

Population: around 1.404 billion. (2017)

Capital City: Beijing

Language: Mandarin Chinese, Cantonese, Mongol, Uygur, Zang, Zhuang and some various others languages.

Official languages: Mandarin Chinese

Continent: Asia

Currency: Renminbi (RMB)

Government: Socialist people's republic

National Day: 1 October

Religion: Buddhism, Taoism, Islam, Protestantism, and Catholicism.

Famous Chinese: Confucius, Lao Tzu, Sun Tzu, Mencius, Cao Cao, Emperor Wu of Han, Qin Shi Huang, Empress Dowager Cixi, Puyi, Mao Zedong, Chiang Kai-shek, Bruce Lee, Xi Jinping, Jackie Chan, Yao Ming

Flag:



Climate:

Four seasons (spring, summer, autumn and winter).

The Chinese climate varies from region to region since the country is massive! In the northeast the summers are hot and dry and the winters are freezing cold. The north and central regions have frequent bouts of rain coupled with hot summers and cold winters. In the southeast there is plenty of rainfall, semi-tropical summers and cool winters.

China

Use non-fiction books and the Internet to find out information about China.

Capital City:

Population:

Language Spoken:

Location of Country:



Country Flag:



Bordering Countries:

Famous Landmarks:

Famous People:

Popular Food:

Popular Activities or Sports:

Traditions:

National Anthem:

Other Interesting Facts:

What are the Five Pillars of Islam?

The Five Pillars of Islam are five duties that Muslims try to carry out. It helps them to live a good and responsible life, and bring them closer to God (Allah) and their community.

Each pillar has a different name; Shahada, Salah, Zakat, Sawm, and Hajj.



Shahada – Pillar One

This pillar is the main belief of all Muslim people and it is a declaration of their faith. The English words are:

“There is no god except Allah, Muhammad is the messenger of Allah.”

Muslims say this when they pray.



Salah – Pillar Two

This pillar is prayer. Muslims pray five times a day and follow a special ritual to do so. First they must wash in symbolically clean water.

All the prayers are said at the same time every day.

Fajr – Morning, between dawn and sunrise.

Zuhr – Mid-day or early afternoon.

Asr – Late afternoon.

Maghrib – Evening, around sunset.

Isah – Night, before going to bed.



Zakat – Pillar Three

This pillar is about looking after other people. Each Muslim gives up a share of his wealth each year to provide for those less fortunate.

The word zakat means to purify or cleanse. As a person gives away a share of their wealth they become cleansed from selfishness and greed.



Sawm – Pillar Four

This pillar is all about Ramadan. The ninth month of the Islam calendar is when Muhammad began receiving messages from God.

For 30 days Muslims fast, they do not eat or drink during daylight hours.

The fast is to remind them how difficult it is to be poor, hungry and thirsty. It reminds them to thank God for the gift of the Qur'an and not be greedy.



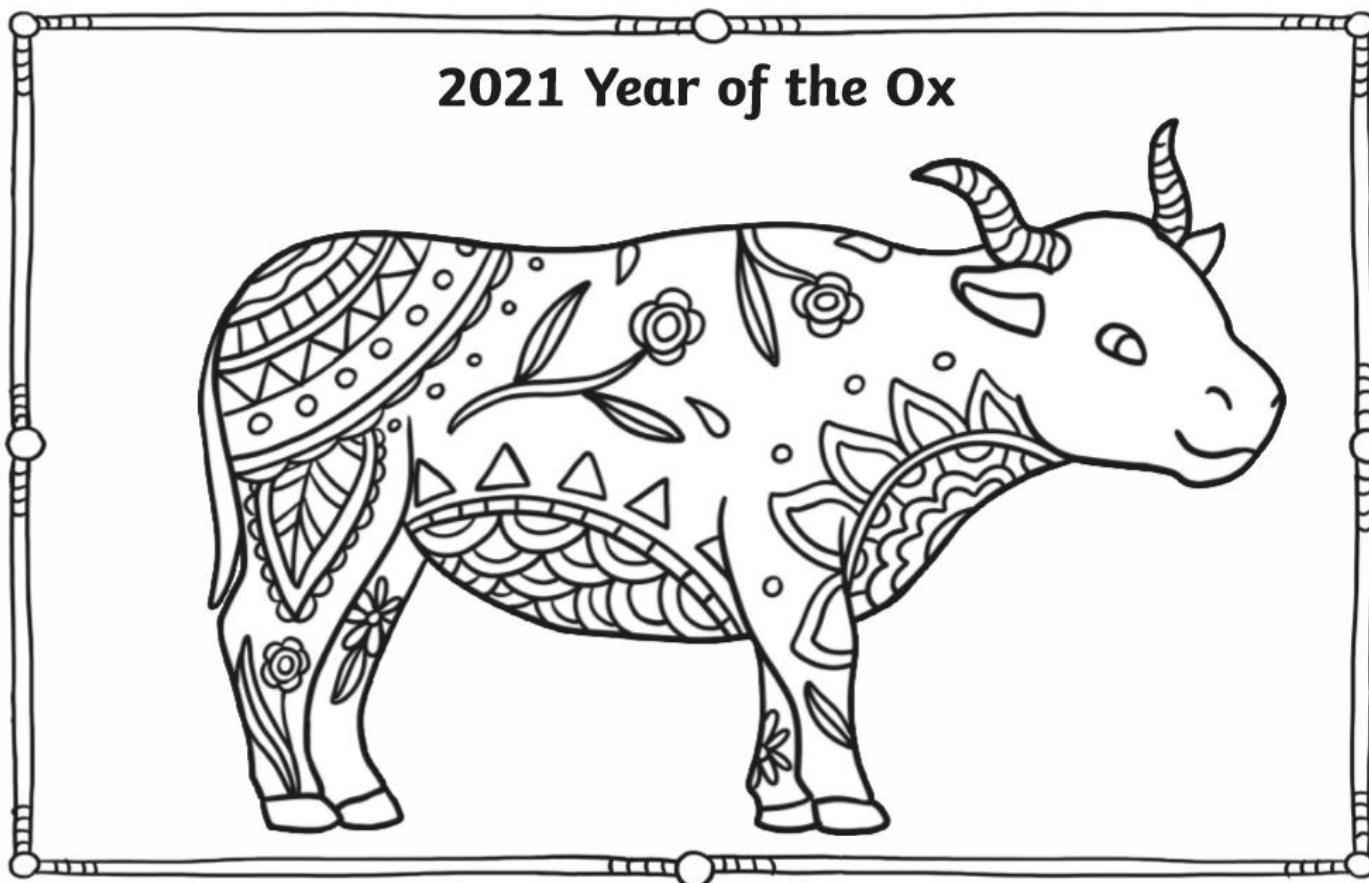
Hajj – Pillar Five

All Muslims have a duty to make a pilgrimage to Makkah at least once in their life. Very often whole families will save to send one person at a time.

Men who go must wear an ihram which is made up of two sheets which must not be sewn together.

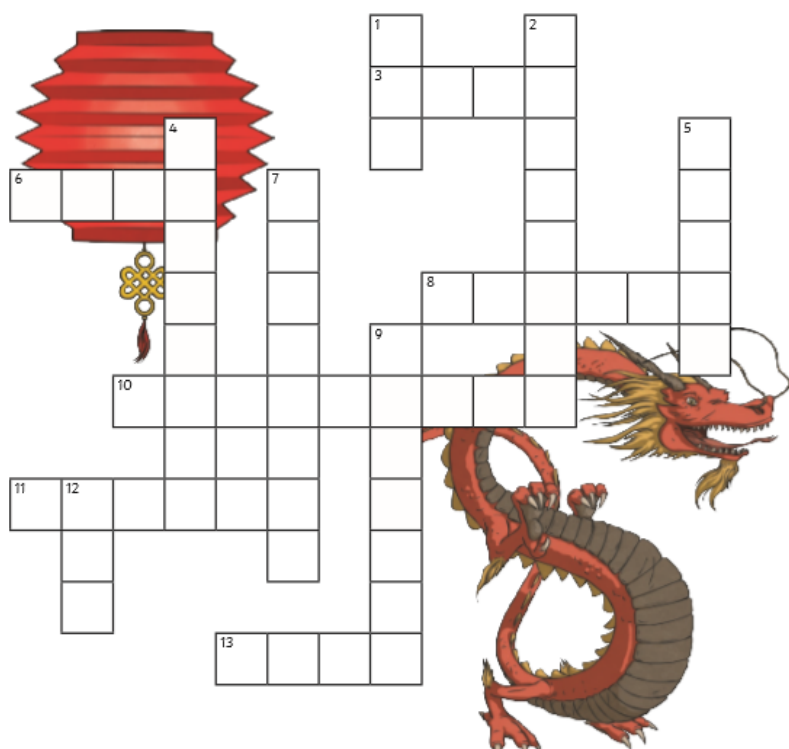
Muslims go on the pilgrimage to bring together the community and strengthen it.





2021 Year of the Ox

Chinese New Year



Across

3. The continent that China is a part of.
6. Setting off fireworks scares away this type of spirit.
8. The number of animals in the Chinese Zodiac.
10. Exploding, noisy celebrations.
11. A type of dance performed during this time.
13. This type of dumpling is eaten.

Down

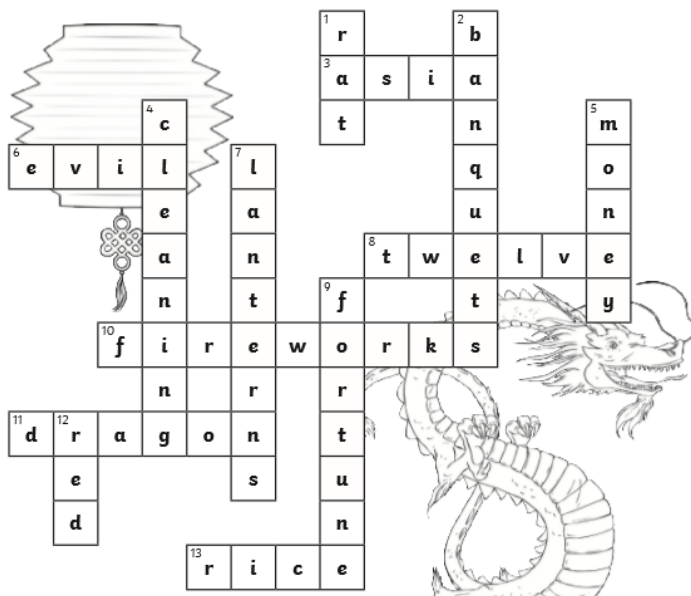
1. The animal that won the race.
2. Special meals prepared and eaten.
4. Takes place all over the home.
5. A gift given in red envelopes.
7. Paper decorations that are hung.
9. Your future is told in one of these cookies.
12. A lucky colour in China.

Chinese New Year Traditions

y c p y j o m o t t e w y
 m l a f s y b f p j e z e
 z e a u u d s e o x h d j
 g a n u w r g m y o a y d
 h n h v o q u d b r d b w
 k m e e e x o j a h r n o
 s q g z d l i p x c a e u
 g f i r e w o r k s g u c
 m l d k n s n p b r o q m
 o e u e r i v m e p n m p
 r n u c m o n e y s t n i
 e l a h k k k a y m q g g
 x q v g p y h v c h r u c

dragon
 pig
 parade
 lucky
 money

red
 envelopes
 fireworks
 food
 clean



Across

- The continent that China is a part of. **Asia**
- Setting off fireworks scares away this type of spirit. **evil**
- The number of animals in the Chinese Zodiac. **twelve**
- Exploding, noisy celebrations. **fireworks**
- A type of dance performed during this time. **dragon**
- This type of dumpling is eaten. **rice**

Down

- The animal that won the race. **rat**
- Special meals prepared and eaten. **banquets**
- Takes place all over the home. **cleaning**
- A gift given in red envelopes. **money**
- Paper decorations that are hung. **lanterns**
- Your future is told in one of these cookies. **fortune**
- A lucky colour in China. **red**