

Mathematics

Complete the worksheet each day: Mon-Thurs, then answer the questions on the arithmetic questions and tables – Friday. Try to time yourself while doing the tests.

Monday – Word problems

Tuesday – Word problems and reasoning

Wednesday – Reasoning challenges

Thursday – Topic review

Friday - Arithmetic (20 mins) and tables test (3 mins) https://classroom.thenational.academy/units /multiplication-and-division-6dbb

Year 3/4 – 24th January

Please use the following to support home learning during this time. To help us feedback to your child, please can you email all your work to: <u>year4@friarage.n-yorks.sch.uk</u> or **drop off** all your work at school if and when safe to do so. A member of staff will telephone to talk to your child about their learning. Please continue to check the website: <u>https://www.friarage.org.uk/</u> and Facebook page <u>www.facebook.com/friaragecpschool/</u> for all updates.

Writing

https://www.flamingoland.co.uk/ If you have access to the internet have a look at the website for Flamingo Land

Monday- Study the brochure and describe what you would expect to see on a trip to Flamingo Land.

Tuesday- Grammar Test

Wednesday- plan a letter that would persuade your head teacher to allow year 4 to go on a trip to the zoo.

Thursday- write your first draft

Friday- edit your work after sharing it with an adult then use this week's spellings to write some sentences to show understanding of the words

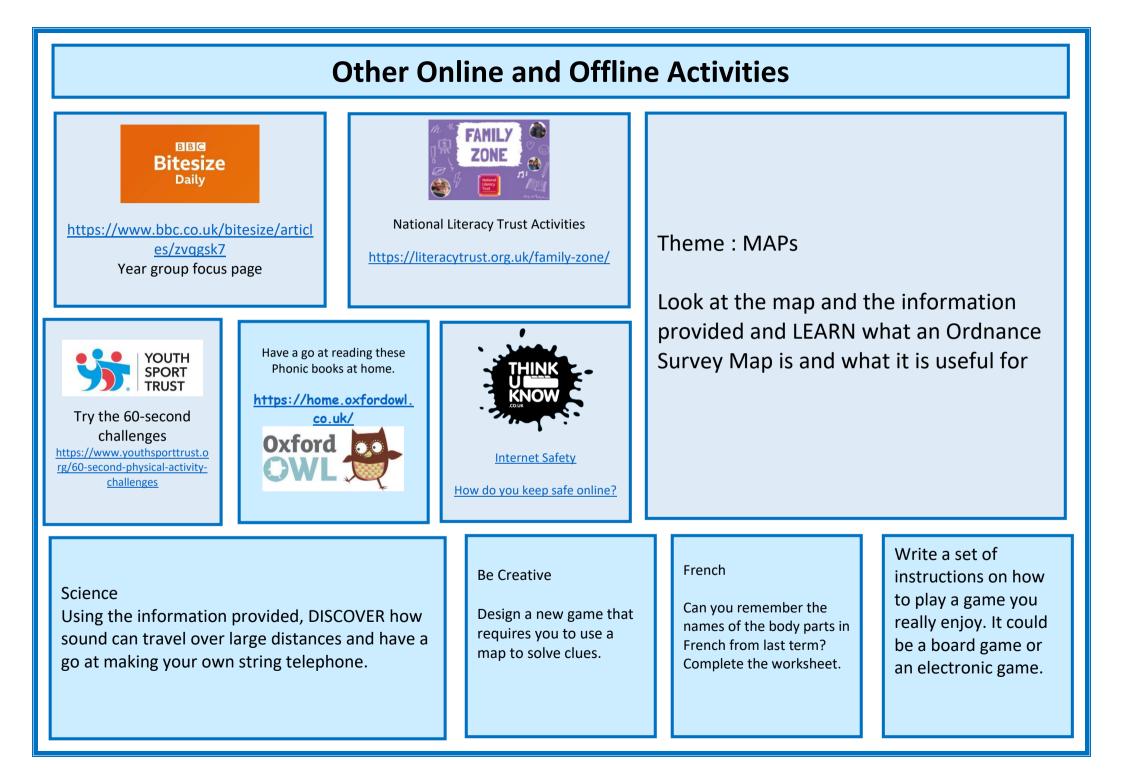
Reading

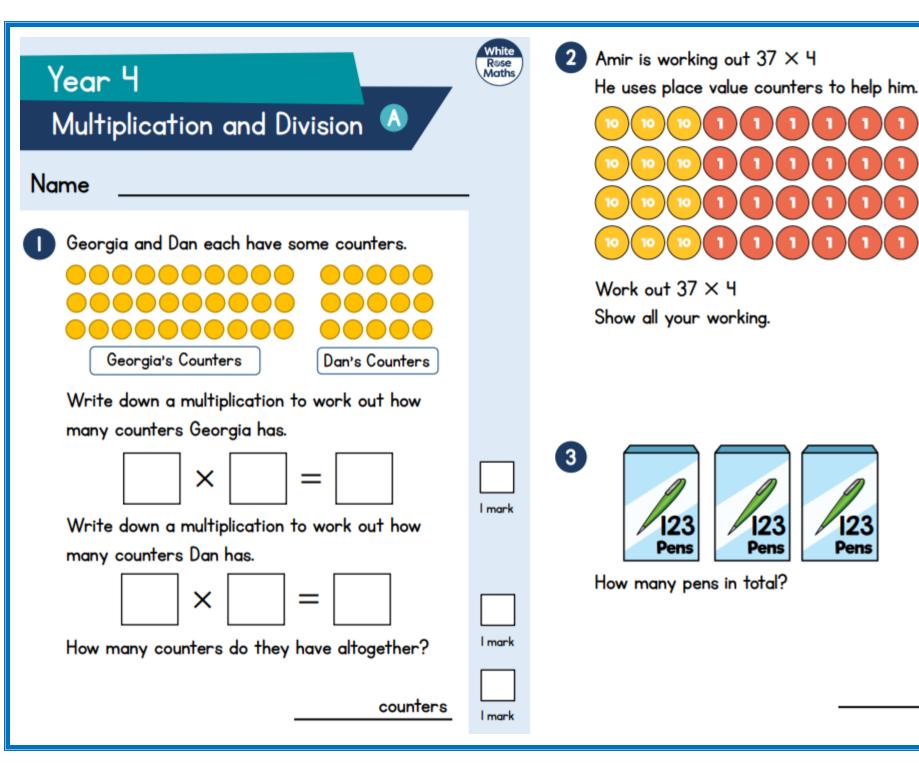
Read the text and answer the questions on the text.

As a challenge – write a book review

Spellings:

Merriment Plentiful Happily Nastiness Pitiful happiness penniless prettiest beautiful silliness

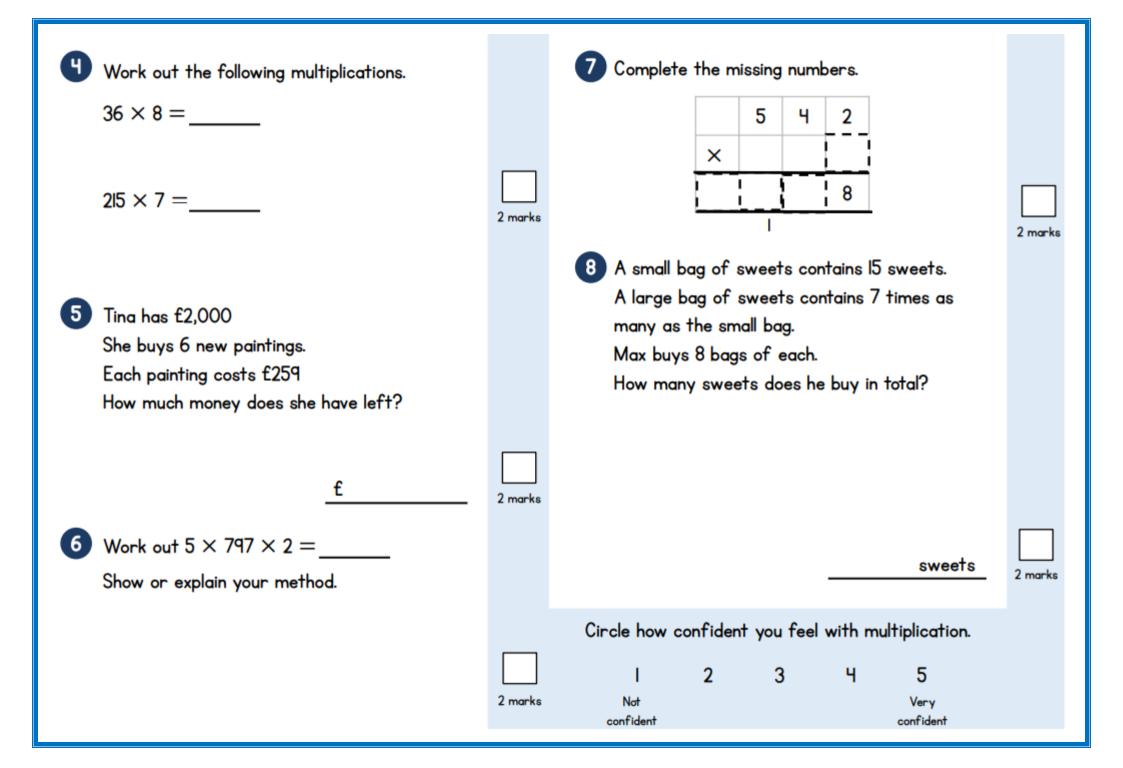


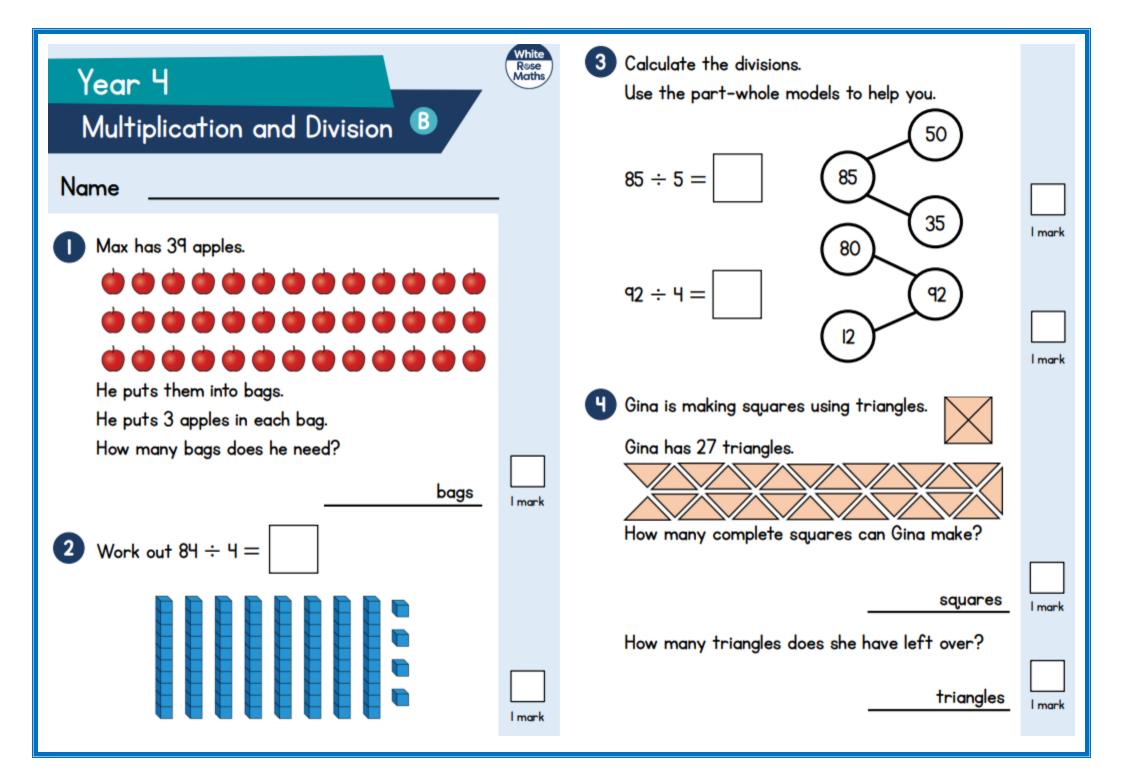


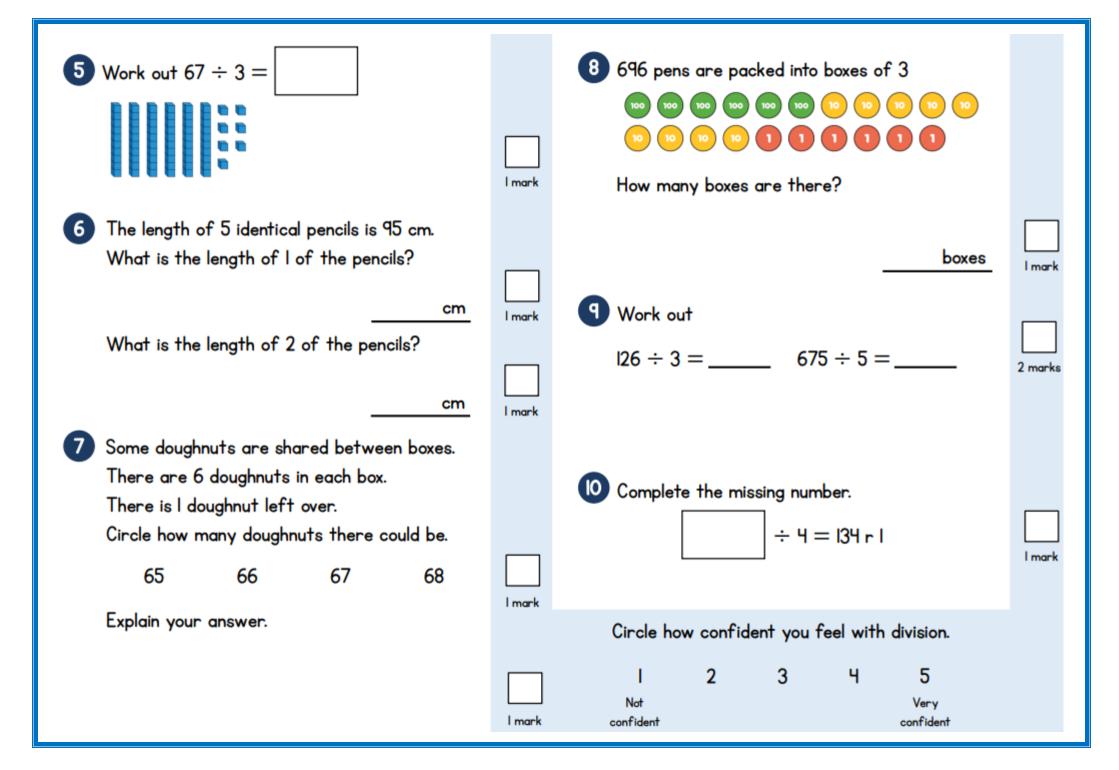
I mark

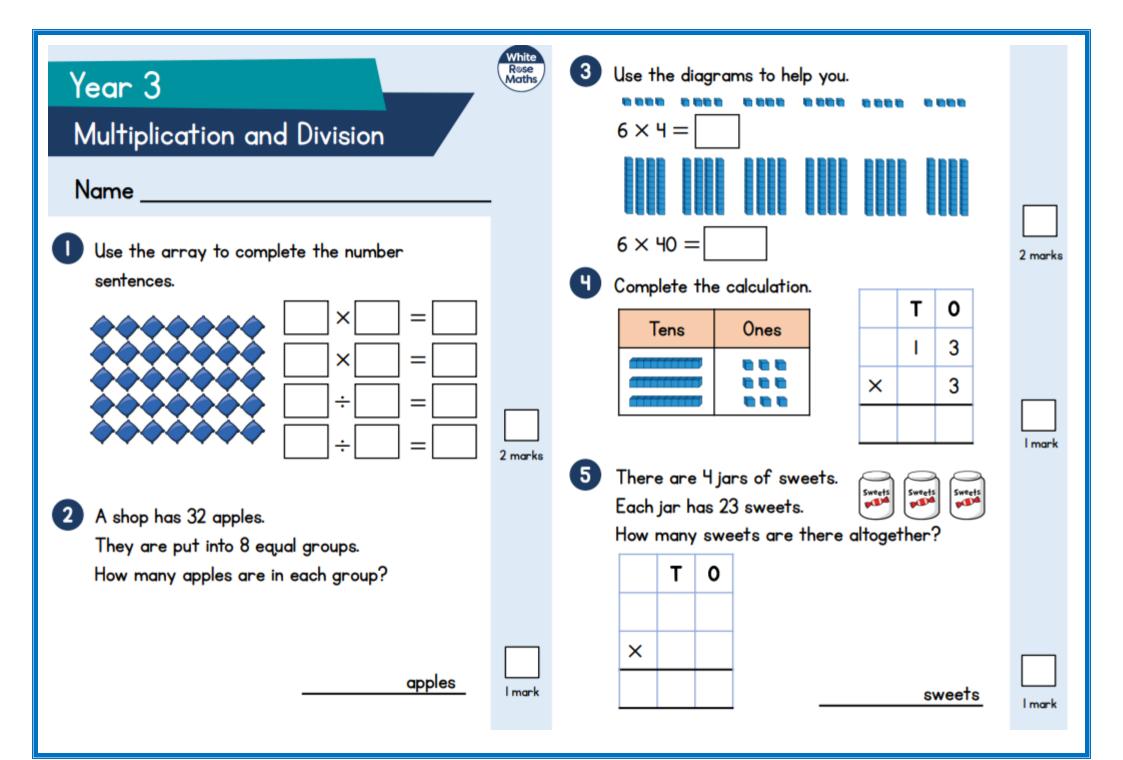
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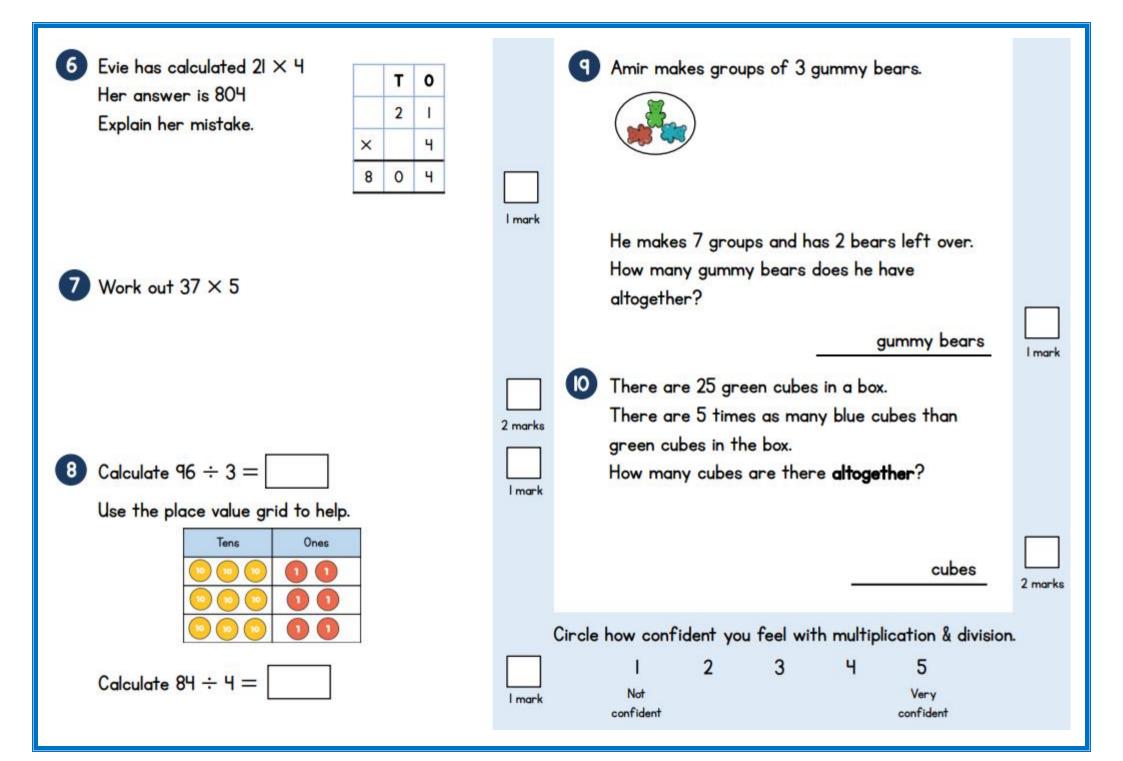
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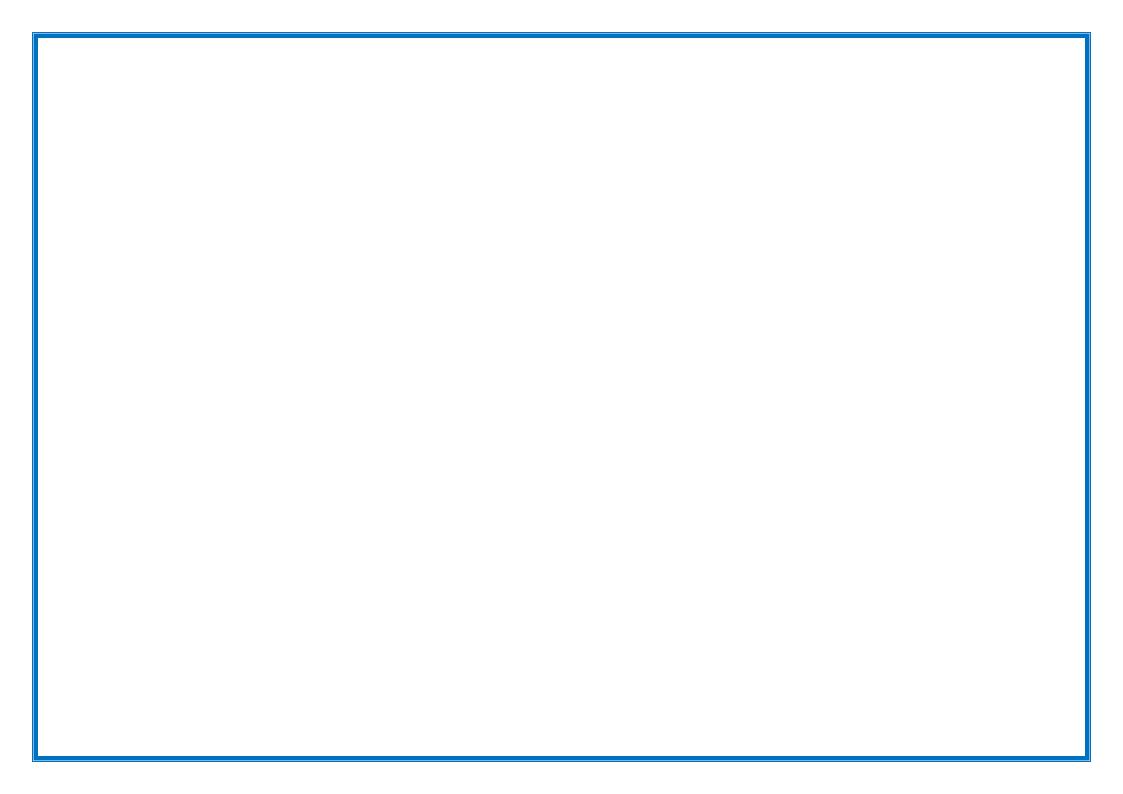


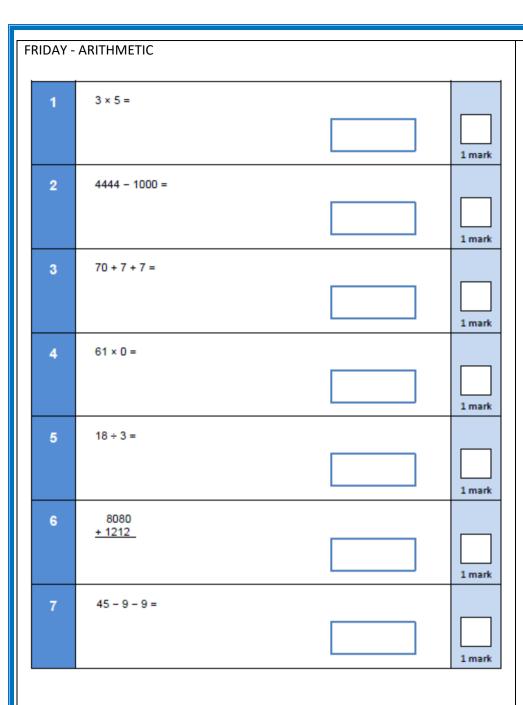


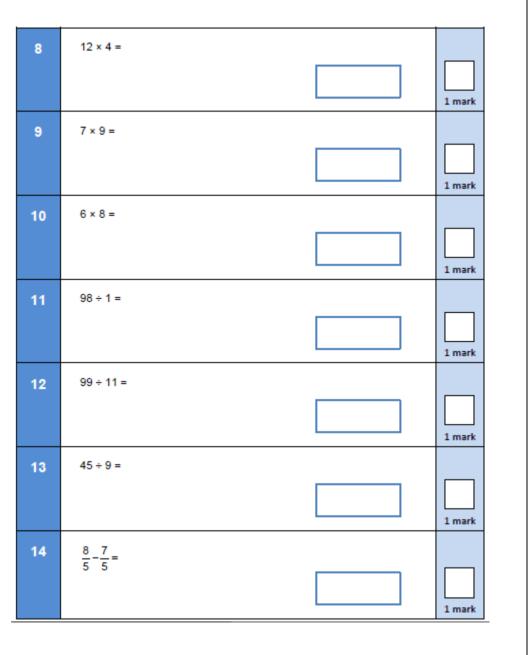




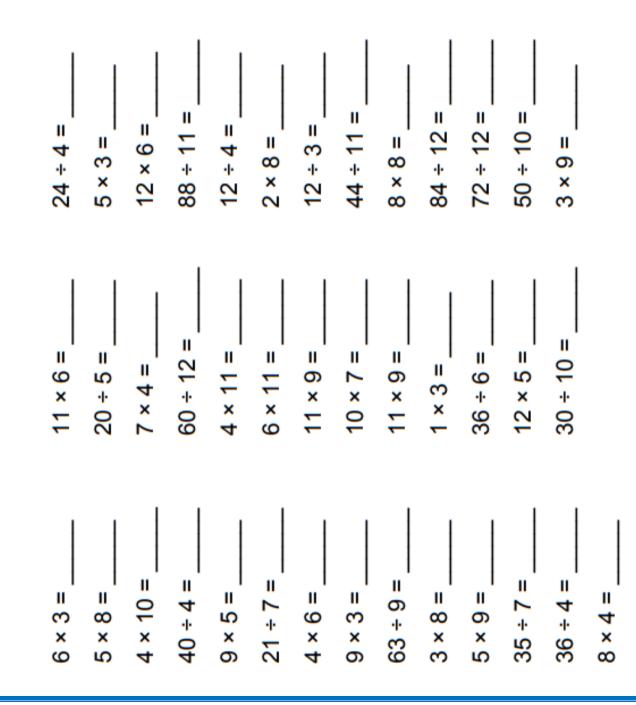








Testing: 2×, 3×, 4×, 5×, 6×, 7×, 8×, 9×, 10×, 11×, 12× (with inverse) Number of Questions: 40



Monday literacy



https://www.flamingoland.co.uk/ If you have access to the internet have a look at the website for Flamingo Land

If not don't worry you can use your imagination and the brochure provided.

TASK - Have a good look at the brochure and write a description of what you would expect to see on a visit to Flamingo Land.

Use lots of adjectives, adverbial phrases and similes.

Tuesday literacy

7. Circle the plural nouns in the sentence below.

There were lots of stalls at the farmer's market, selling vegetables, cakes and even a local artist's crafts.

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a. a. a. a.

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8. Tick the sentence which does not open with a fronted adverbial.

According to my dad, we will win the match on Saturday.

Sometimes, we go into town on the train.

I have lived in two cities in my lifetime: Liverpool and Newcastle.

9. Circle the determiners in the sentence below.

Two people were walking a dog along the canal towpath.

10. Add a comma in the correct place in this sentence.

During the night the sirens kept waking me up.

Draw a line from the word on the left to the synonym on the right.	hot shriek	cold drizzle	messy tropical	pour grubby	shout bitter	Insert the correct punctuation into this speech. Come here right now screamed Diane
Use the word tOWCT in two different sentences. Once as a nonn and once as a verb				Verb		Can you add a comma to this sentence to make it a fronted adverbial? In the morning gloom Freddy shivered uncontrollably.

Wednesday literacy

Using the brochure and the website if you can access it, to plan a letter that would persuade Mrs Cappleman why it would be a good idea for Year 4 to visit Flamingo land Zoo. Our topic in the summer is all about the different climatic zones around the world and the effects humans are having on them.

Think about the role of the zoo and make some notes from the information below taken from the website:

Why do they keep animals in captivity? What are the scientists attached to the zoo trying to achieve through their research and work they do around the world as well as Flamingo Land? What will you learn on a visit to the zoo? And why is that important? The recipient's address is on the left.

The letter shows the date on which it was written.

There is a greeting to the recipient.

The opening sentence hooks the reader and explains why you are writing.

There is an introduction.

The text is organised into paragraphs, which each have their own point.

Each point has arguments to support it.

There is a conclusion which summarises the main point of the letter and reiterates the opinion.

Did you know Flamingo Land has a scientist?

Flamingo Land's "Zoo Scientist" and his team of trainees carry out important work to help us to understand our animals and give them the best possible care. But only a small part of this work is based at the zoo, because our scientist's main job is to better understand and protect animals and plants in their wild homes as part of Flamingo Land's international conservation program.

All scientific research at Flamingo Land is co-ordinated through the <u>University of York Environment</u> <u>Department's</u> multiple award-winning "CIRCLE" research centre. The Centre for Integrated Research, <u>Conservation and Learning</u> aims to carry out ground-breaking research to help the conservation of wildlife and the worldwide work of zoos. Our Research Plan includes scientific study of all of the zoo's activities, including wildlife conservation, animal care and enclosure design, and how we can best share this exciting work with our visitors.

CIRCLE's main scientific work includes:

- Tropical Forest Conservation: We are measuring how best we can look after tropical forests and the people that depend on them, with Flamingo Land's <u>Udzungwa Forest Project</u> in Tanzania.
- Native Wildlife Conservation: We are measuring the success of our efforts to conserve native wildlife zones on site at Flamingo Land, where we have dozens of important wild animals and plants.
- Animal Care: We are surveying zoos across Europe and beyond to determine the best ways to look after our animals and build new homes for them.
- Zoo Education: We are experimenting with different ways to tell all our visitors and school groups about the wonders of the natural world and how best we can look after it.
- What do Zoos Do?: We are examining how well the world's zoos are doing their job of protecting and understanding the natural world.

Write some notes about the important work that the scientists in zoos do. Can you find out any more information to help argue your case?

Persuasive Letter Writing Plan

	Торіс	
rgument 1	Recipient's Address	Author's Address
	Greeting and Opinion	
rgument 1 Supporting Reasons	Argument 1	
rgument 1 Supporting Reasons		
rgument 1 Supporting Reasons		
	Argument 1 Supporting Reasons	

------Argument 2 **Argument 2 Supporting Reasons** Argument 3 **Argument 3 Supporting Reasons Closing Statement**

Thursday - write a draft letter using **Persuasive Writing** the information provided to help you Other Words Introductions Making your point Details Firstlu, secondlu, For example... reasons write your letter. thirdlu... For this reason... In fact... arguments Author's Name and Address Furthermore I feel that... For instance for Your name and address. In addition I am sure that... As evidence against **Recipient's Address** Also... It is certain... In support of this... unfair The address of the person Finally... Mason Rennett you are writing to. I am writing to... pros Endings 29 Stanstead Road Likewise... Brian Hill For these reasons... cons OLD 4110 Besides As you can see... In the same way... Hammersville State School Again... In other words... 143 Ronan Street On the other hand... Hammersville Greeting Moreover... On the whole... In this situation... OLD 4111 Your friendly hello. Similarly... In short... Introduction Dear Principal Aseesh. Surely... A brief explanation Without a doubt I am writing to insist that you allow our school to play rugby l of the opinion you official school sport. My reasons are very clear and simples- it would Certainly... are going to expre In brief... our passion for rugby league. As we support the Queensland Maroons. Specifically... Undoubtedly... opportunity for rugby league fans to follow in their heroes' footsteps and it would get girls playing in a male-dominated sport. If...then... Firstly, as Queenslanders, we are passionate and unwavering supporters of rugby because... twink league. It can be a long and tiresome wait for the State of Origin campaign to begin. If we were to play rugby league at school, it would be like having our own school State of Origin all year round! The students playing passionate and try hard, as many of them are already rugby lead Reasons A sensiblu ordered Secondly, I know so many of my fellow students and I are outlandi list of reasons. about the greatest rugby league team to ever play... The Queen including time My friends and I often talk about our favourite players and wat conjunctions. time on television. If we were to play rugby league at school, I v was an honorary Maroon! Players such as Cameron Smith and breg phenomenal role models for the students of our schools and we would love to play like them one day. Finally, rugby league is currently only played by men. This is highly unfair! There are lots of girls in my class that are very talented of sports. I think these girls should be treated the same as me and have the chance to play rugby league. Principal Aseesh, Hammersville State School is already a magnificent school. Please make it even more so by bringing rugby league to our school! Yours sincerelu. Conclusion Mason Bennet A strong final Signature

I think...

Of course...

Friday literacy - edit your work after sharing it with someone else in your house and then use this week's spellings to write some sentences.

Monday – read and text mark

then we'll tie you up and hold you to ransom.'

'Have you done it before?'

'Oh yes,' he said. 'Lots of times.'

'What happens when you don't get any money?'

'Well, we . . .'

'We eat you,' said the hungry pirate.

'Ssh,' said Rambashi, waving his hand vaguely.

'You're not cannibals,' said Lila.

'We're blooming hungry,' said the pirate. 'Have you always been pirates?'

'No,' said Rambashi. 'I used to keep hens, but they all died of melancholy. So I sold the business and bought the boat . . . Oh no! Ssh! Stop! Don't move!'

The last pirates in the line, still grumbling, bumped into those in front, who stood behind Rambashi, transfixed with fear. For there on the path ahead of them was a tiger. It swung its tail lazily from side to side, and raised its golden eyes at them, and then opened its mouth and roared so loudly that Lila thought the very earth was shaking. One of the smallest pirates put his hand in hers.

So there they stood, and the tiger was just gathering his strength to spring, when Lila suddenly remembered her self-igniting Crackle-Dragons. She took her hand back from the small pirate, reached into her bag, and took out the three she'd brought with her.

'Mind,' she said to Rambashi, and, pulling the string of the first one, she threw the firework in front of the tiger.

The mighty beast had never been so surprised in his life. First one, then another, then yet another Crackle-Dragon snapped and flashed and sparked and leapt at him, Tuesday – Vocabulary work

Use a dictionary if you have one, or the internet to find what type of a word they are and the meanings of these words found in the book.

If you do not have either of these – use the book and your understanding of it to help you guess their meaning and word class. How well have you understood the vocabulary on the pages we have read? What's a 'ransom'? What are 'cannibals'? What is 'melancholy'? What word on page 36 means 'couldn't move'? Find a word on Page 36 that means 'barely noticeable'. What phrase on Page 37 means 'will light on their own'?

Wednesday/Thursday – answer questions on the text How did Lila scare the tiger away? Why does one of the pirates take Lila's hand? Explain how Philip Pullman showed that the pirates were actually not very scary.

	ANSWERS:
Use the prompts below to answer the questions on the text for the third voice.	
It is clear to see that By re-reading the text I can see that The text suggests that In my opinion I believe that It is important to note that	

Friday – Write a book review. Summarise what the book was about and then explain what you liked/disliked about it. Would you recommend it to som	neone
and if so why?	

SCIENCE - Investigate how sound can travel over a distance by creating your own string telephone.

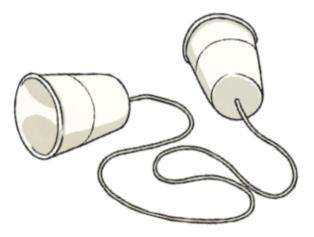
Make a string telephone to explore how sounds travel over a distance.

You will need:

Two paper cups

A compass or sewing needle to make holes in the cups;

Approximately 20m length of string (kite string works well).

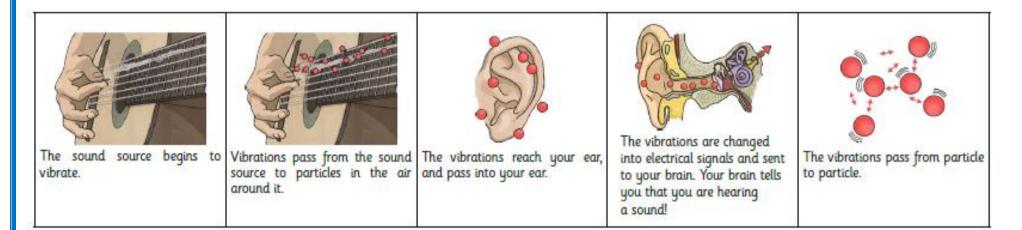


What to do:

1. Use the compass or sewing needle to carefully poke a hole in the bottom of each cup. You may need to ask an adult to help you.

- 2. Thread the string through the holes and tie a knot at each end to stop it pulling through the cups.
- 3. You and your partner should each hold a cup and move apart so that the string is tight.
- 4. Take turns talking into your cup while your partner listens in their cup.

Use the information from below and the investigation you have done to fill in the gaps.

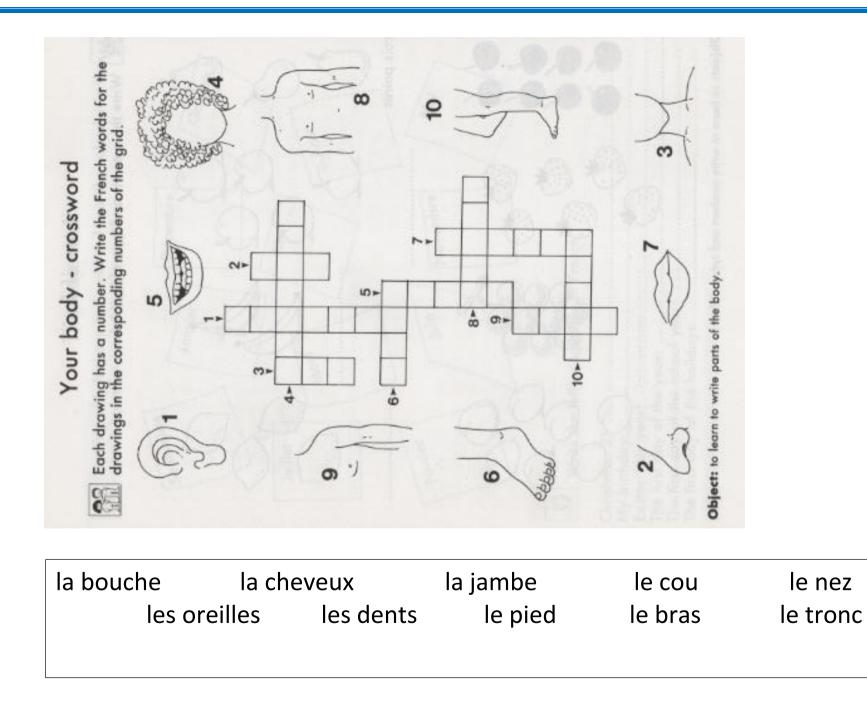


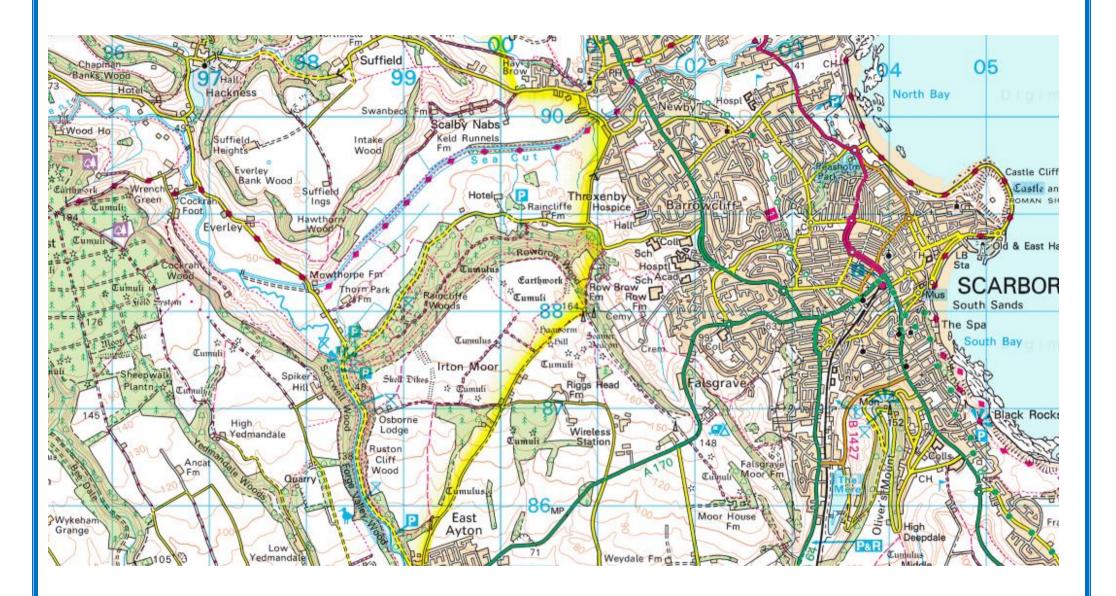
How does it work?

Use the key words to fill in the gaps to explain how your string telephone works.

When one person talks into their cup, the cup ______. The sound _______ of these vibrations passes along the string. The string is a ______, so the particles are very close together, and the vibrations can pass _______ and easily along the string. The vibrations pass from the _______ into the second cup, which also vibrates. These vibrations pass through the air _______ into the second person's _______, who can then hear the sound of the first person's voice. The sound of the person's voice is _______ through the string than it is through the air over the same ______.

	vibrates er	nergy strir	ng solid	
particles	distance	ear	louder	quickly





What is an OS map?

Royal Geographical Society with IBG

and geographical learning

- Ordnance Survey is Britain's mapping agency.
- OS maps show human and physical features of the environment:
- Contour lines to show land height, hills, valleys.
- Rivers, grassland, forest, marsh, lakes, etc.
- Man-made features such as canals, bridges, footpaths, buildings and roads.
- OS maps are particularly useful for anyone wishing to navigate on foot, such as long-distance walkers.

Have a good look at the Ordnance Survey Map of Scarborough and then answer the questions below

- **O** What do they tell us?
- **O** How can we use them?
- **O** What are the little pictures for?
- **O** Why are some names small, large etc?
- **O** What do the red lines often drawn in circles represent/tell us?

Challenge – can you find out the history of Ordnance Survey Maps – they had a military beginning.

CONTOURS

These are lines drawn on a map that join places of the same height

- On OS maps they are orange/brown
- Some will have their heights written on them—some you will have to work out
- They are always an EQUAL distance apart
- If the lines are CLOSE together the land is steep
- If the lines are FAR apart the land is flat or very gently



Geography Skills Knowledge organiser—Map Skills

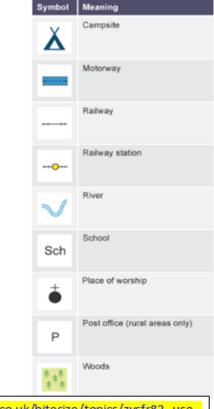


- The exact height of the land shown by a black dot with a number next to it.
- The number is the height above sea level in metres.

Ordnance Survey is an organisation that has mapped the UK. It produces paper maps and digital mapping products.

ORDNANCE SURVEY MAP SYMBOLS/KEYS

It's a good idea to know and be able to identify some of these features usually found on the legend (below).



https://www.bbc.co.uk/bitesize/topics/zvsfr82-use this link to BBC Bitesize KS2 Geography/Maps to help with learning the key facts

FOUR AND SIX FIGURE GRID REFERENCES

Maps have grid lines on them—we use them to pinpoint locations by using grid reference. A four-figure grid reference is a handy way of identifying any square on a map, six-figure grid references are best for giving exact locations. Grid references are easy, as long as you remember that you always go along the corridor before you go up the stairs.

Step 1: Start at the left-hand side of the map and go east until you get to the bottomleft-hand corner of the square you want. Write this number down e.g. 47(EASTING)

Step 2: Move north until you get to the bottom-left corner of the square you want e.g. 33 (NORTHING)

Step 3: Now put your two answers together e.g. 47 33. There is no need to add brackets, commas, dashes etc.

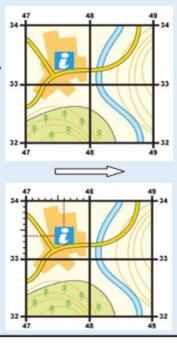
GREATER DEPTH - SIX FIGURE GRID REFERENCES...

To pinpoint an exact place on a map, such as a church or farm building, then you will need to use a six-figure grid reference.

Step 1: Find the four-figure reference.

Step 2: Imagine this square is divided up into 100 tiny squares, 10 along the bottom and 10 up the side.

Step 3: Still remembering to go along the corridor and then up the stairs, estimate how far across and then up the square the feature is. 476 334



PRIOR KNOWLEDGE:

- To know where we live
- To know the seven continents and the five oceans of the ٠ world
- To be able to identify the main countries of Europe

Geography Skills Knowledge organiser—Map Skills



W - Wheat

MAPS

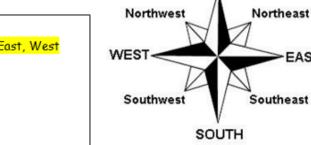
A map is a two-dimensional drawing of an area. Maps can show the countryside, a town, a country or even the whole world! They are used to help plan routes from one place to another, or to find certain features such as castles or hills.

Different types of map are used for different things depending on whether you are walking, driving or even flying somewhere. Maps can be on paper or on a mobile phone, tablet or computer.









NORTH

Northeast

EAST

nce Strand: Physics		Diagrams Pitch: • High pitch sounds are created by short sound waves.	Low pitched sounds are created by long sound	Waves Waves		short sound waves create	a nigh pitch	The closer you are to the source of the sound, the Jouder the sound will be.	The further away you are from the source of the sound, the quieter the sound will be.			V V V Iouder	Vocindend	a measure of the strength of a sound wave	a measure of how loud a sound is	a form of energy that can be carried by wires and in used for heating and lighting,	and to provide power for devices	the power from sources such as electricity that makes machines work or provides heat	a measure of how many times per second the sound wave cycles	something that makes possible the transfer of energy from one location to another	how high or low a sound is	Power is energy, especially electricity, that is obtained in large quantities from	a fuel source and used to operate lights, heating, and machinery	invisible waves that travel through air, water, and solid objects as vibrations	where something comes from	to pass from one place or person to another	how something moves around	invisible waves that move quickly how loud or quiet a sound is		Investigate:	Which one creates the highest pitch?	Which matenal would make the best sound defender? How can you investigate this?	Make musical instruments using different length strings. How do their pitches differ?
hool - Science		Pitch: • High pit waves.	Low pit				Volume:	The clo Iouder	 The fur sound, 		I			amplitude	decibel	electricity		energy	frequency	medium	pitch			sound waves	source	transmit	travel	volume		- CH (12)		 Which defend 	 Make n strings
Friarage Primary School Year: 4	eady know?	usical instruments.	e end of the unit?	ing that can be heard. object that makes the sound is called the 668-	 When objects vibrate, a sound is made. The vibration makes the air around the object 	vibrate and the air vibrations enter your ear. These are called cound waves	an object is making a sound, a part of it is		0	Sound waves travel through a medium (such as	air, water, glass, stone, and pnck). • For example, if somebodvis plaving music in the	room next door, the sound can travel through the bricks in the wall.	When an object vibrates, the air around it vibrates This discretion discrete allocation around a second and a second allocation around a second around a second allocation around a second around around a second around a second around a second around ar	1990. This violating air can aiso de known as sound Waves.	avel to the ear and make the	 eacdcums vibrate. Messages are sent to the brain which recognises 	unds.	S		is how high or lowit is	 A squeak of mouse has a high pitch. 	A roar of a lion has a low pitch.	The volume of a sound is how loud or quiet it is.	eated by a little amount of I nd wave is created which	doesn't travel far. This makes a quiet sound.	A small tap of a hammer is used with small amounts of energy and so creates a quiet		A vibration with lots of energy makes a powerful sound wave and therefore a loud sound	A powerful, smashing tap of a hammer is	used with lots of energy and so createsa Joud noise .	Amplitude measures how strong a sound wave	ርቆ Decibels measure how loud a sound is.	Frequency measures the number of times per second that the sound wave cycles.
Topic: Sound	What should I already know?	Hearing is one of my five senses. Sounds can be combined using musical instruments What the word vibration means.	What will I know by the end of the unit?	A thing that can be heard. The object that makes the source.	 When objects vibra The vibration make. 	vibrate and the air . These are railed so	 If an object is maki 	United as a subsection of the second s		Sound waves travel	 For example, if som 	room next door, the bricks in the wall.	When an object vib This short vib	uaves.	The sound waves tr	 Messages are sent t 	the vibrations as so	Ş		Pitch: • The nitch of a council	•	A roar of a li	 The volume of a so 	 When a sound is cr energy, a weak sou 	doesn't travel far. 1	 A small tap of amounts of 	noise.	 A vibration with lot sound wave and th 	• A powerful,	used with lo loud noise.	Amplitude measur	 Decibels measure I 	Frequency measures the number o second that the sound wave cycles
Top		 Hearing is one Sounds can be What the word 		What is a sound?	How is a	made?				How do	travel?		How do we	Uteal. sounds?						How do	change?										How do we	sound?	