Hello 4/5N,

We are not at school for the next two weeks, but I hope we all use this time to both enjoy being at home and to keep your learning going until we meet again on 5th October!

I have attached lots fo work for you to progress through during the next two weeks. I have provided various options for you to complete your work. You may not finish everything, but please make sure your focus is on maths and literacy activities.

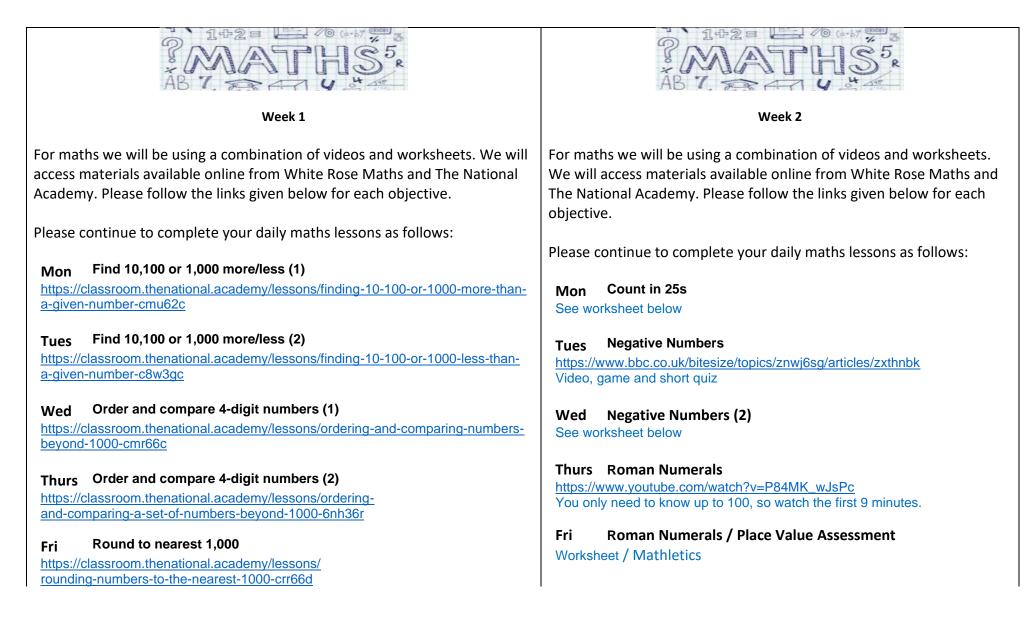
You *should* be able to complete these independently but ask Mum or Dad if you need help. Please email the school at <u>enquiries@cranwell.lincs.sch.uk</u> if you need assistance with logins, etc.

I wanted to introduce you to my dogs, Alfie and Charlie, who are both very excited to have me at home to give them an extra 'walkies'. I hope all of you enjoy some extra time with your loved ones at home. I can't wait to hear about what you have done during your time off when we get back to school.

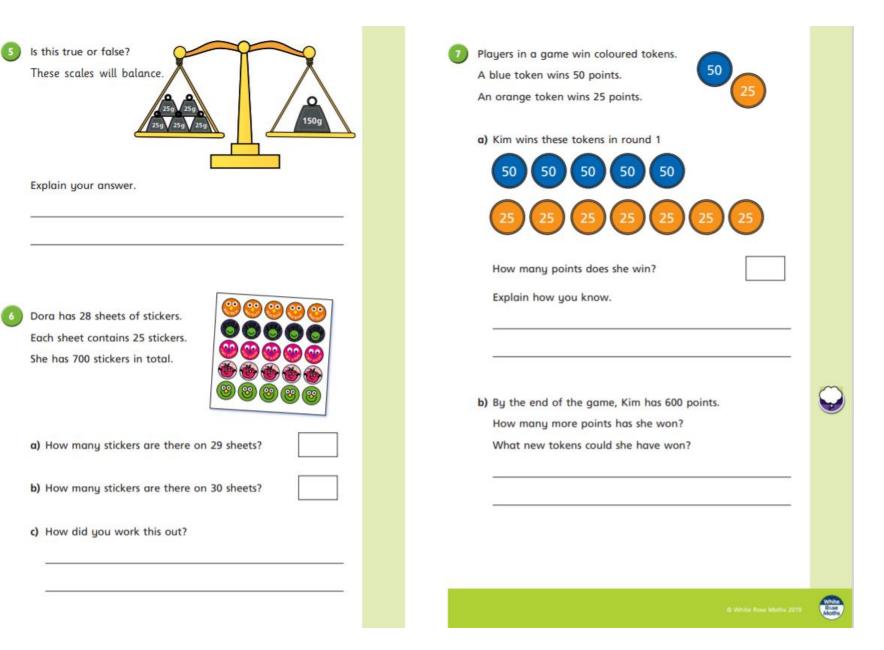
Take care and see you all soon, Mrs New

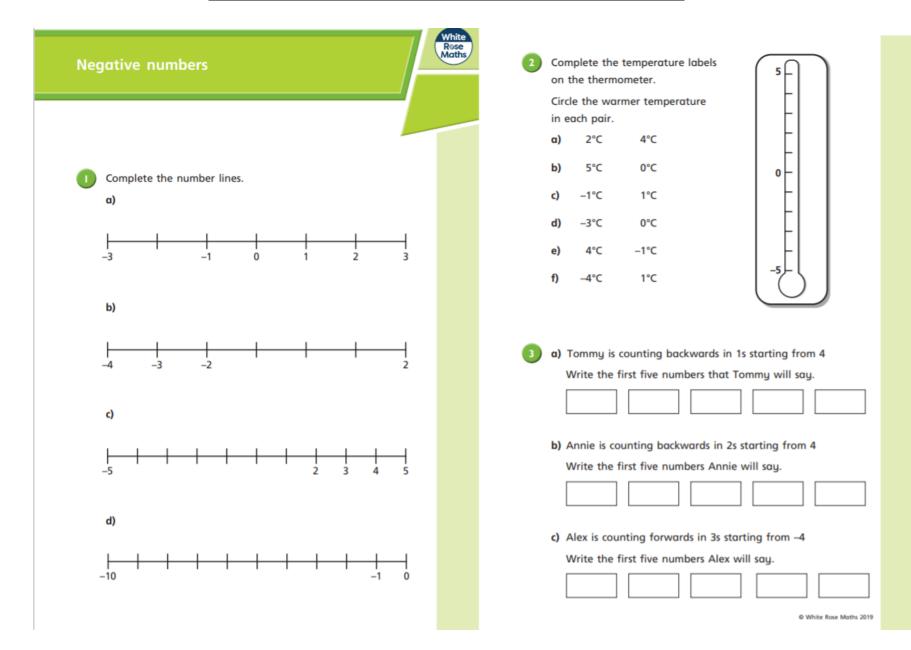


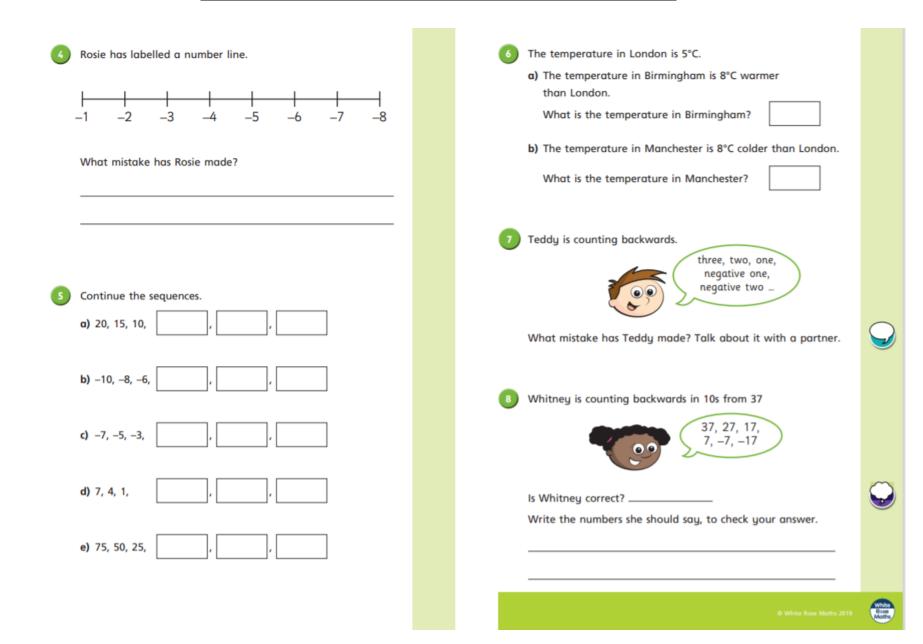


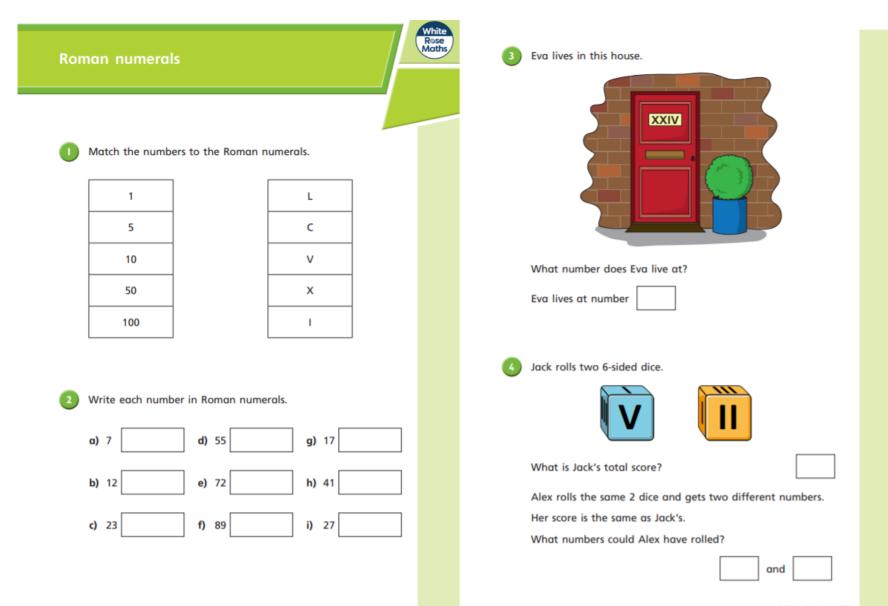


| | 25s | | Rose Maths | 3 Ron is counti | ng up in 25s from (| | |
|--|---------------------------------------|-------------------|---------------|-----------------|---|--------------|-------|
| | | | | | (| 0, 25, 50 | |
| | | | | a) Circle all t | he numbers that Re | on will say. | (te |
| | | | | 51 | 100 | 175 | 305 |
| The children | have each got so | ome packets of ba | Illoons. | 90 | 258 | 720 | 725 |
| Filip | Ενα | Мо | Esther | | | | |
| | | | | 양한 것 같아. | counting past 1,00 ay all of these num | | |
| 25 25 | 25 25 | 25 25 | 25 25 | 1,02 | | 1,900 | 2,025 |
| | 25 | 25 25 | 25 25 | | w we know this. | 1,500 | 2,025 |
| | | | 25 | | | | |
| | | | 25 | | | | |
| | | | | | | | |
| a) How man | y balloons does e | each child have? | | | | | |
| Filip | Ενα | Mo | ther | | | | |
| | | | | | | | |
| | | | | | | | |
| | y balloons are th | ere in 6 packets? | | What numbe | rs are the arrows p | ointing to? | |
| | y balloons are th | ere in 6 packets? | | What numbe | rs are the arrows p | ointing to? | |
| b) How man | | ere in 6 packets? | | <u> </u> | rs are the arrows p | iointing to? | ↓ . |
| b) How man | y balloons are th e number tracks. | ere in 6 packets? | | <u> </u> | rs are the arrows p | iointing to? | |
| b) How man Complete the | e number tracks. | ere in 6 packets? | | a) | + + + | ointing to? | |
| b) How man | e number tracks. | ere in 6 packets? | | a) | + + + | ointing to? | 900 |
| b) How man Complete the | e number tracks. | ere in 6 packets? | | a) / | + + + | ointing to? | |

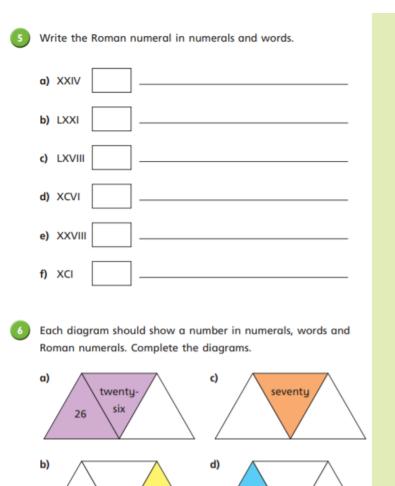






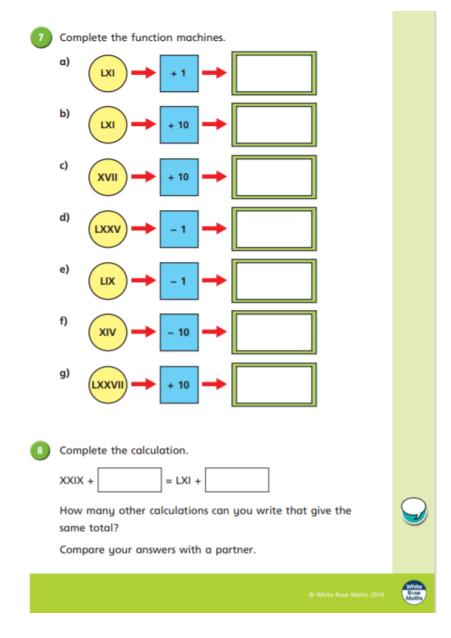


© White Rose Maths 2019



XIII

48



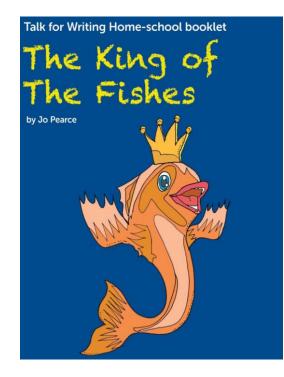


Please follow the link below to access a home learning booklet called 'The King of Fishes' (this can either be printed or you can write your answers and ideas in your exercise books):

https://www.talk4writing.com/wp-content/uploads/2020/04/Y4-Unit.pdf

This booklet is designed for you to work at your own pace over a **two-week** period, taking you through a series of literacy tasks related to the story including: reading comprehension, grammar, vocabulary and planning tasks. The booklet culminates in you producing your own story!

Please don't try to complete this in one sitting. Try to complete a couple of pages per session as you work towards creating a fantastic story – good luck!





Reading Comprehension – A Victorian Mine

Read the text on the following page and answer the following comprehension questions:

| VOCABULARY | 1. Which word give you the image of factories growing like flowers? |
|------------|---|
| FOCUS | 2. Find a word that is a synonym for many. |
| | 3. Explain what "vital" means. |
| | 4. What is meant by the phrase "back-breaking work"? |
| | 5. What does the word "prevented" mean? |
| | |

| VIPERS QU | ESTIONS |
|-----------|---|
| Inference | Why were children sent to work in the mines? |
| Inference | Why were trappers considered vital? |
| Inference | Why was it important that factories had so much coal? |
| Retrieval | Why was the dust in a mine dangerous? |
| Retrieval | Which job required children to push heavy loads? |
| | |

A Victorian Mine



During the Industrial Revolution, Britain needed greater amounts of coal. The coal was used to power the factories that sprouted across the landscape, and to provide energy for the nation. Unfortunately, lots of the jobs were in tight spaces, places that children were perfect for working in. Children as young as five were sent down the mines to perform a myriad of jobs.

> Once coal had been hacked out of the shaft, it needed to be carted to the surface. Drawers were responsible for pushing heavy carts of coal either to the entrance of the mine or to the well to the surface. The carts were extremely heavy and often

crushed the children who were trying to push them

Trappers were vital in a coal mine. A common job for children, trappers were responsible for keeping the air flowing through the shafts by opening and closing vents. This prevented dangerous gases from building up.

The entrance to lots of mines was via a vertical well. Children and adults would hang on to a bucket or platform and be lowered down into the pit. To prevent unnecessary trips, they weren't allowed out until their shift was over. Many people slipped during the journey and fell to their death.

Digging the coal out of the mine shaft was back-breaking work. This job was often left to adults or older children. The dust would clog people's lungs and make them sick.



Sometimes, the seam of coal went underneath hard rock or bad quality coal. If this happened, the miners had to **undermine**, which meant digging a smaller tunnel into the wall. Children were often used for this as they were smaller. Lots of these smaller tunnels collapsed, killing anybody trapped underneath them.



Reading Comprehension – Worst Jobs For Kids

Read the text on the following page and answer the following comprehension questions:

| VOCABULARY | 1. What word tells the reader how loud a noise was? |
|------------|---|
| FOCUS | 2. Find and write a definition for the word "reign". |
| | 3. Explain what the phrase "horrific conditions" means. |
| | 4. What is meant by "dainty"? |
| | 5. What is meant by "toxic"? |
| | · · |

| Summarise | What were most children lucky to do? |
|-----------|---|
| Summarise | Which features of children made them perfect for many jobs? |
| Summarise | What did all of the jobs have in common in terms of children's health? |
| Summarise | What happened that meant more children were needed in railway stations? |
| Inference | How do you think the author felt about Victorian children? What tells you this? |

Worst Jobs For Kids

Ever moaned about having to do your homework? What about cleaning your bedroom, or hoovering the floor? Count yourself lucky you weren't a child during Queen Victoria's reign. You were lucky if you were sent to school back then; most children were sent out to work in some of the most horrific conditions you can imagine. You've probably heard about chimney sweeps and flower sellers, but there were much worse jobs out there if you were desperate.

Do you love rolling around in the mud? How about scraping through the dirt to find any coins or lost bits of jewellery? If that sounds good, then a job as a tosher might have been right up your street. It wasn't just the muck and fi lth on the street though, you'd spend most of your time down in the sewers rummaging around for anything that the rich folk up above might have dropped into the drains.

Tiny children have tiny hands, and they were perfect for fixing the fiddly little mechanisms on the enormous looms that factories used to weave fabric. The sound of the shuttles flying backwards and forwards would have caused quite a din; however, they couldn't stop working just to fix a machine. Instead, children would scuttle around underneath the vast wooden machines and try to time their movements perfectly. Quite often they would get it wrong. The lucky ones only lost a finger. The unlucky ones? Well, I'm sure you can guess.

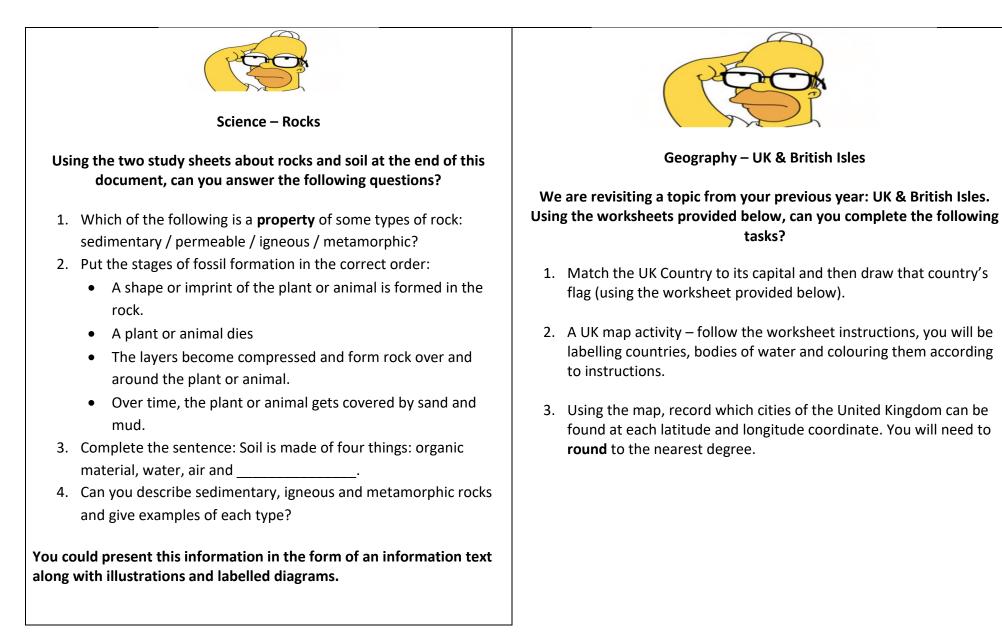
It wasn't just fixing the looms that children's dainty digits were perfect for. The rise of the steam train meant that lots of children were needed to scrape out the cinders and clean the undercarriage of the engine. Not only did this involve a lot of choking dust and ash, but the cinders were often still red-hot, and many children suffered horrific burns.

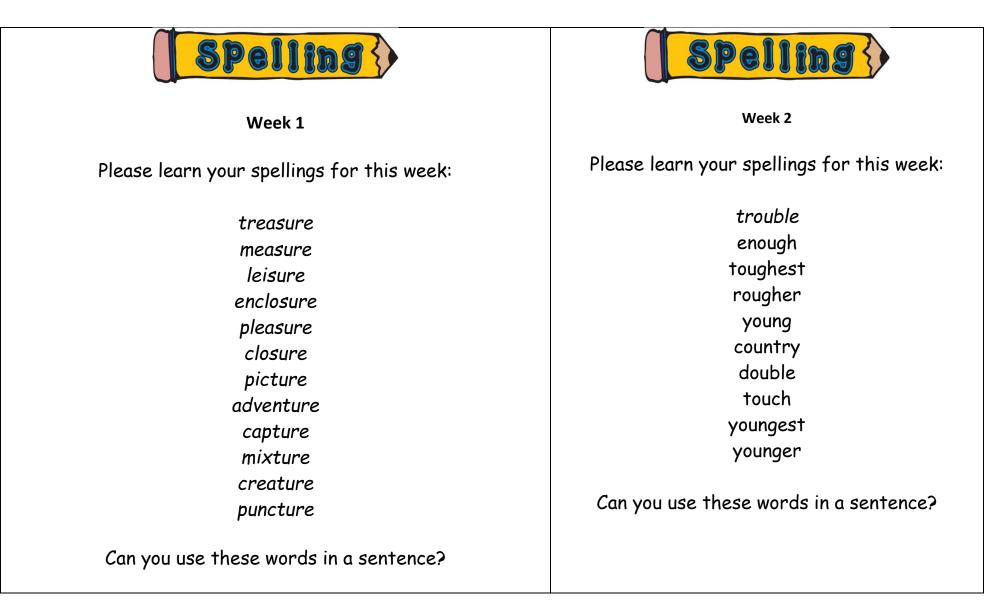
Most houses were lit by candles back then, and so matches were needed by the thousands. Dipping the sticks in the toxic phosphorus was another job saved for the cursed children. The horrible chemical would rot their teeth and often led to fatal lung disease. Not sure it was worth it for a penny a day.

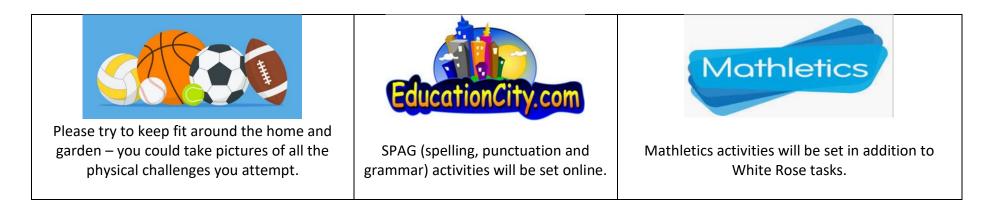


Dick Whittington said that the streets of London were paved with gold. More accurately, they were often paved with filth, particularly dog droppings. Luckily for the children of the time, they could earn money by scraping it up and selling it to the tanners - people who turned the hide of a cow into leather. If they really wanted to earn some money, they could help the tanners by stamping the poo into an odorous mix of chemicals (barefoot, of course) and using it to soak the skins. Unfortunately, many poor children didn't have access to a bath afterwards! So there you have it. There were some pretty vile jobs for luckless lads and lasses in Victorian times, and we haven't

even mentioned leech collectors, coal miners, rat catchers, navvies (canal diggers) and grave robbers. No wonder so many children were desperate to go to school!









Please complete your weekly times table test, giving yourself 5 minutes to write answers in your book, then self-mark and keep a record of your total along with the date.

For further challenge, you can choose to complete the division test.

Please read for at least 20 minutes every day this week.

Try to read aloud with an adult, at least once, and discuss what you've read with them.

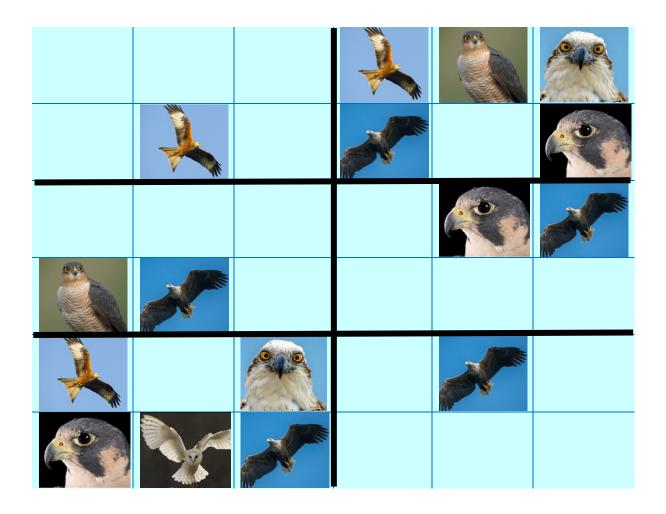
Once you have read a book, please complete a book review in your exercise books.



Can you create a PowerPoint (or written information sheet) to educate children about Esafety and how to stay safe online?

Birds of Prey Sudoku

Can you fill in the gaps so that every bird of prey appears only once in each row and column? Write the first letter of their name in each of the squares to complete the challenge (see key provided below, e.g., write R for Red Kite in the right square)!





| | R | Red Kite | X | w | White Tailed Eagle |
|--|---|--------------|---|---|--------------------|
| | S | Sparrow Hawk | | Ρ | Peregrine Falcon |
| | 0 | Osprey | | В | Barn Owl |

B W Ρ 0 S B R B 0 S 0.00 B Ρ R Ο S Ρ B R S 0

Answers to Sudoku puzzle:

| | * 31 V 10 | Tatal | Total: | Total: | Total: |
|----------|------------|------------|-----------|-----------|-----------|
| -1- | 12 12 - | 7 × 11 = | =6×6 | 12 x 7 = | 0X0= |
| | 6 x 12 = | 11 × 11 = | 11×9= | =/X4 | 10.70- |
| | 10 × 12 = | 12 × 11 = | = 6×8 | | 12 |
| | 5 x 12 = | 8 × 11 = | 3×9= | 11-7- | 1×6= |
| | 11 × 12 = | 3 x 11 = | 16 X 22 | 407- | = 6 × 6 |
| | 8 x 12 = | = 11 × 3 | 13 . 0 . | 3×7= | 11×6= |
| 1 | = 21 X 4 | 2011- | 7 × 9 = | 9×7= | 4×6= |
| 1 | 4 | 6 x 11 = | 5×9= | 7×7= | 10 x 6 = |
| 1 | 2 × 12 - | 9 x 11 = | 4 x 9 = | 5x7= | 7×6= |
| 1 | 7 x 12 = | 5 x 11 = | 2 x 9 = | 1×7= | 3×6= |
| | 9 x 12 = | 1 × 11 = | 10 x 9 = | 8x7= | ax0= |
| | 1 × 12 = | 10 × 11 = | = 6 × 9 | 10 × 7 = | 0X0= |
| | 3 × 12 = | 4 × 11 = | 1×9= | 2×7= | = 0 × 2 |
| | 12 x table | 11 x table | 9 x table | 7 x table | 0 x table |
| | Total: | Total: | Total: | Total: | iotai: |
| 12 x 8 = | 4×4= | 7 x 3 = | 5 × 10 = | = /x5= | YXC= |
| | 6×4= | 3×3= | 12 × 10 = | = C X 21 | |
| 11 x 8 = | 10 × 4 = | 12 x 3 = | 1 × 10 = | S S S | 11 22 - |
| 6×8= | 5×4= | 8×3= | 9 x 10 = | 5×5= | SXC= |
| | 11 × 4 = | 11 x 3 = | 11 × 10 = | 1×5= | = 2 X 21 |
| | 8×4= | 2×3= | 4 × 10 = | 10 x 5 = | = 2 × / |
| 7 . 8 - | 12 x 4 = | 6 x 3 = | 10 × 10 = | 6 x 5 = | = 2 × C |
| TXO = | 2×4= | 9×3= | 7 x 10 = | 4×5= | 4x2 = |
| 0 × 0 = | 7×4= | 5×3= | 3 × 10 = | 2×5= | = 2 X 2 |
| 2000- | 9×4= | 1 × 3 = | 8 × 10 = | 11×5= | = 7 X OI |
| 10 × 8 - | 1×4= | 10 x 3 = | 6 × 10 = | = C × B | OXC = |
| 2 × 8 = | 3×4= | 4×3= | 2 x 10 = | 3×5= | = 2 × 1 |
| Ax table | 4x table | 3x table | 10x table | 5x table | CX TODIE |

Rocks and Earth and Space

Rocks and Soil

- Compare and group rocks and recognise that soil is made
- from rocks and organic matter
- Describe how fossils are formed

Rocks

There are three different types of rock, which are all formed in different ways.



Sedimentary rock, e.g. limestone, sandstone, chalk and coal:

- Made from lots of small pieces of materials.
- Formed when plant and animal remains, sand, mud and other small rocks get compressed (squashed together) over time.

Igneous rock, e.g. basalt, granite and pumice:

- Made from melted rocks and minerals.
- Formed when magma cools.

Metamorphic rock, e.g. marble, slate and anthracite:

- Made from igneous or sedimentary rock.
- Formed when rock is heated to high temperatures and compressed under great pressure.

Key Point

There are three main types of rock which have many different varieties. Each variety can look very different and have different properties. The different properties of each rock make them useful for different jobs.

Key Point

Permeable materials allow water to pass through them; impermeable materials do not.



Properties of Rocks

Some rocks, like granite and marble, are tough and strong and are useful for building.

Other rocks, like chalk and sandstone, are softer, and break apart more easily. Chalk can be used as a writing tool because it is so soft.

Some softer rocks, like limestone, are **permeable**, while other harder ones like slate are **impermeable**. Impermeable rocks can be used for roofs.

Fossils

Fossils are mostly found in sedimentary rock.

How Fossils are Formed

- 1. A plant or animal dies.
- It sinks to the ground and slowly gets covered in mud and sand.
- 3. Over time, the mud and sand are compressed and a layer of rock is formed.
- Eventually, a cast (print) of the plant or animal is left in the rock.

Soil

Soil is a mixture of four main things:

- 1. particles of rock, like sand or clay
- 2. organic material (decayed plants and animals)
- 3. water 4. air.

The properties and texture of soil change depending on the amount of sand or clay it contains. Soil is heavier and stickier when it contains more clay and water.

Quick Test

- 1. What word describes rocks that allow water to pass through them called?
- 2. What is made when the remains of a plant or animal are imprinted in rock?
- 3. Complete the sentence: Soil is made of four things: organic material, water, air and _____.

Study



Have a look around your home and garden or neighbourhood. Can you find any different types of rock? See if you can group the rocks in different ways. For example, are they hard or soft, rough or smooth, permeable or impermeable?

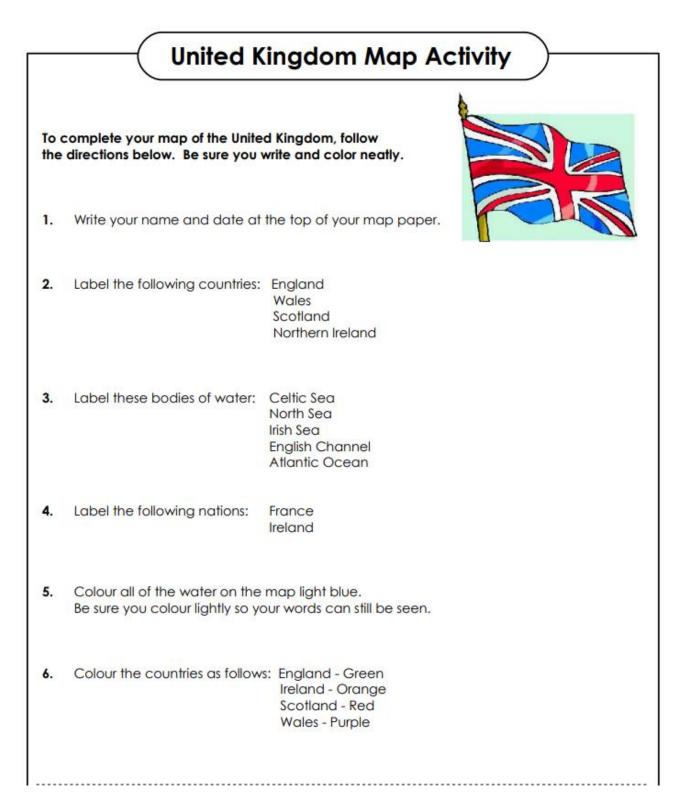
Key Point

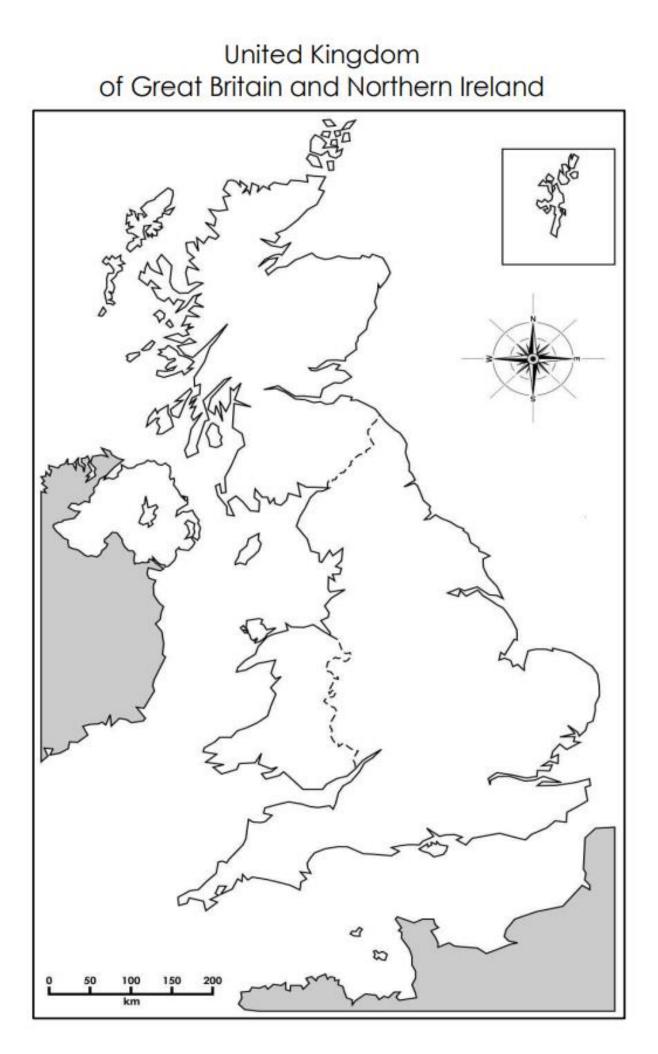
Soil is made of four things and is very important to life as it allows plants including fruit, vegetables and other crops to grow.

Key Words

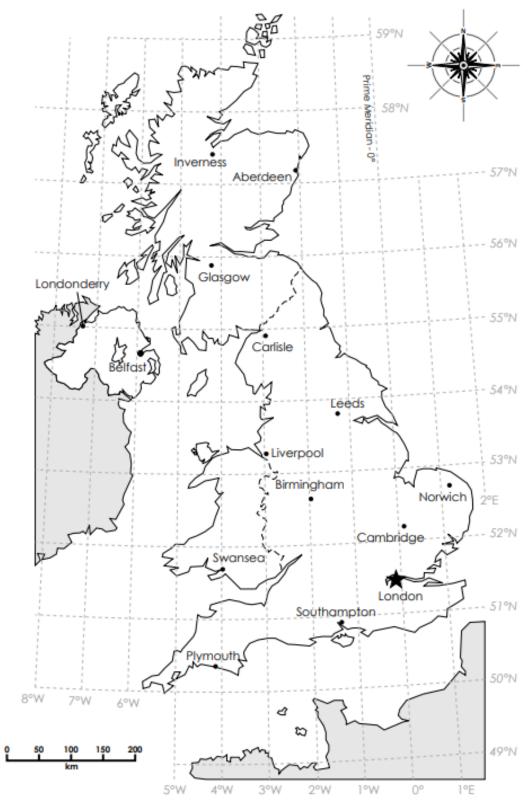
- Sedimentary
- Igneous
- Metamorphic
- Permeable
- Impermeable
- Particles
- Organic material

| Name: | | | |
|-------------------------|---|-------------------------|-------------------------|
| | UK Countrie | s | |
| Match ead | ch country with its capital. | | |
| 1. | England | а. | Edinburgh |
| 2. | Scotland | b. | Belfast |
| 3. | Wales | c. | London |
| 4. | Northern Ireland | d. | Cardiff |
| Draw and United King | colour the flag of the gdom. | Draw and c England. | olour the flag of |
| | | | |
| | | | |
| | | | |
| Draw and Wales. | colour the flag of the | Draw and c Scotland. | olour the flag of |
| | | | |
| | | | |
| | | | |
| | reland doesn't have an officia ur own flag for Northern Irelan | | eparate sheet of paper, |





United Kingdom of Great Britain and Northern Ireland



United Kingdom Latitude and Longitude

Using the map, tell which cities of the United Kingdom can be found at each latitude and longitude coordinates. You will need to round to the nearest degree.

| Aberdeen Belfast Birmingham | Cambridge Carlisle Glasgow | Inverness Leeds Liverpool | London Londonderry Norwich | Plymouth Southampton Swansea |
|-----------------------------------|----------------------------------|---------------------------------|----------------------------------|------------------------------------|
| a. 55°N, 3°W | | i. 53°N, 3 | 3°₩ | |
| b. 52°N, 0° | | j. 50°N, 4 | 4°W | |
| c. 57°N, 2°W | | k. 51°N, | 0° | |
| d. 52°N, 4°W | | I. 57°N, 4 | 4°W | |
| e. 51°N, 1°W | | m. 54°N, | , 1°W | |
| f. 53°N, 1°E | | n. 55°N, | 7°W | |
| g. 55°N, 6°W | | o . 53⁰N, | 2°W | |
| h. 56°N, 4°W | | | | |

United Kingdom Latitude and Longitude

Using the map, tell which cities of the United Kingdom can be found at each latitude and longitude coordinates. You will need to round to the nearest degree.

| Aberdeen Belfast Birmingham | Cambridge Carlisle Glasgow | Inverness Leeds Liverpool | London Londonderry Norwich | Plymouth Southampton Swansea |
|-----------------------------------|----------------------------------|---------------------------------|----------------------------------|------------------------------------|
| a. 55°N, 3°W | Carlisle | i. 53°N, 3° | wLiv | erpool |
| b. 52°N, 0° | Cambridge | j. 50°N, 4° | PWPly | mouth |
| c. 57°N, 2°W | Aberdeen | k. 51°N, 0 | °Lo | ondon |
| d. 52°N, 4°W | Swansea | I. 57°N, 4° | wInv | erness |
| e. 51°N, 1°W | Southampton | m. 54°N, 1 | 1°₩L | eeds |
| f. 53°N, 1°E | Norwich | n. 55°N, 7 | •wLond | londerry |
| g. 55°N, 6°W | Belfast | o. 53⁰N, 2 | •w Birm | ingham |
| h. 56°N, 4°W | Glasgow | | | |