

Thursday 11th June 2020

Happy Thursday Year 6. Hope you are all well, working hard and being the best that we can be! My family and I have been really enjoying the Springwatch series that airs on BBC2. Springwatch is a programme that looks closely at the nature around us. From bees to butterflies, birds to insects and much more. There is a weekly show (all the episodes in the series so far are available on the BBC iplayer) but most exciting of all is the Springwatch website where there are many exciting things to do - including watching live cameras of various nests where you might be lucky enough to catch eggs hatching. I would encourage you to go and take a look.

Episodes of Springwatch on iplayer: <https://www.bbc.co.uk/programmes/b007qgm3/episodes/player>

Springwatch Website: <https://www.bbc.co.uk/programmes/b007qgm3>



Ok here are the answers to yesterday's maths for you to check out. How did you get on?

| Section A | Section B | Section C |
|---------------------------|--------------------------------|-----------------------------------|
| 1. $304 - 50 = 254$ | 1. $6003 - 70 = 5933$ | 1. $17,005 - 47 = 16,958$ |
| 2. $1200 - 75 = 1125$ | 2. $10,006 - 27 = 9979$ | 2. $20,001 - 300 = 19,701$ |
| 3. $3002 - 11 = 2991$ | 3. $17,000 - 150 = 16850$ | 3. $400,000 - 500 = 399,500$ |
| 4. $5009 - 30 = 4979$ | 4. $40,000 - 75 = 39925$ | 4. $900,000 - 50 = 899,950$ |
| 5. $2100 - 57 = 2043$ | 5. $90,005 - 18 = 89,987$ | 5. $750,000 - 1,200 = 748,800$ |
| 6. $4003 - 17 = 3986$ | 6. $32,000 - 7 = 31,993$ | 6. $67,002 - 88 = 66,914$ |
| 7. $10,000 - 500 = 9500$ | 7. $80,000 - 350 = 79,650$ | 7. $1,000,000 - 30 = 999,970$ |
| 8. $8000 - 800 = 7200$ | 8. $90,500 - 1200 = 89,300$ | 8. $4,000,000 - 75 = 3,999,925$ |
| 9. $12,000 - 30 = 11,970$ | 9. $250,000 - 50 = 249,950$ | 9. $500,000 - 7 = 499,993$ |
| 10. $700 - 25 = 675$ | 10. $15,100 - 5,500 = 9,600$ | 10. $900,500 - 2,000 = 898,500$ |
| 11. $6006 - 25 = 5981$ | 11. $12,300 - 850 = 11,450$ | 11. $300,006 - 25 = 299,981$ |
| 12. $5005 - 300 = 4705$ | 12. $100,000 - 100 = 99,900$ | 12. $250,000 - 267 = 249,733$ |
| 13. $4900 - 101 = 4799$ | 13. $200,000 - 2000 = 198,000$ | 13. $1,000,000 - 2,000 = 998,000$ |
| 14. $1010 - 100 = 910$ | 14. $67,050 - 180 = 66,870$ | 14. $1,000,100 - 800 = 999,300$ |
| 15. $2009 - 109 = 1900$ | 15. $34,004 - 29 = 33,975$ | 15. $560,010 - 128 = 559,882$ |

Maths Task 1 - Mixed Arithmetic

- $14 \times \underline{\hspace{2cm}} = 84$
- $8.04 \times 100 = \underline{\hspace{2cm}}$
- Calculate: $6 + 8 \times 3$ (BEWARE BODMAS!)
- Change 60% into a fraction: =
- What is the change from £10 after buying three books at £3.17 each?
- Circle the prime numbers: 15 55 5 23 39
- Round 566,611 km to the nearest 1000 km. $\underline{\hspace{2cm}}$ km
- Round 6.534 kg to nearest whole kg. $\underline{\hspace{2cm}}$ kg
- $1160 \div 8 = \underline{\hspace{2cm}}$
- $1848 \div 6 = \underline{\hspace{2cm}}$
- Two angles of a scalene triangle are 83° and 72° .
What is the size of the third angle? $\underline{\hspace{2cm}}$ degrees
- Which is more 20% of 80 or $\frac{1}{4}$ of 60?
- The temperature is -6°C . The temperature increases by 13 degrees. What is the new temperature?
- If $8a - 6 = 10$, what is the value of a? $\underline{\hspace{2cm}}$
- Write 567 in Roman Numerals
- $10 \times 12 \times 3 = \underline{\hspace{2cm}}$ 17. $24,385 - 6,950 = \underline{\hspace{2cm}}$
- The three angles of a quadrilateral are 100° , 140° , 40° .
What is the size of the other angle? $\underline{\hspace{2cm}}^\circ$
- add $\frac{3}{4}$ and $1/12 =$
- What is 30% of 900
- What is half of 14 kg 500 g. $\underline{\hspace{2cm}}$
- 256×29
- $56,878 + 234 + 256,988 =$
- $1245 \times 15 = \underline{\hspace{2cm}}$
- A bike costs £250 - it is reduced in the sale by 40% - What is its new price?
- $3 - 0.786 =$
- $4.1 + 3.985 =$
- Two cube numbers add up to 65 - what are they?
- $1200 \times 12 =$
- Find the mean of the following numbers? 7 8 3 6 11 4 10

I will send the answers with your work tomorrow.

English Task 1 - Reading

Use your logins for Purple Mash to continue reading 'Buster's Blitz'. I've added the next chapter to your 2dos along with a quiz to test your understanding of the chapter.

Buster's Blitz

Chapter 3

English Task 2 - Pronouns

Read the information box to remind you about pronouns. (pronouns replace the noun)

Follow the instructions to complete the task.

Pronouns

Pronouns are words that you use to replace nouns.

Sonal and Abed annoyed us and then they invited themselves for tea.

Relative pronouns are words like 'who' and 'which'.
They are used to join two parts of a sentence together.

'us', 'they' and
'themselves' are
all pronouns.

It was Nyasha and Gabija who won the competition.

1 Use the pronouns to finish the story. Use each pronoun once.

us which whose who we

My dog Rover hates going for walks along the path runs by the canal. When walk there, he barks a lot, especially when he sees Mr Mildew, Poodle then starts woofing back at us. After a while, Mrs Waterweed, lives in a canal boat, always opens her window and shouts at

2 Underline the pronouns in the sentences below.

Carrie decided to do it herself.

Some stories are fictional, others are based on real events.

The dog scratched itself when nobody was looking.

The children tasted all of the cakes but thought theirs were the best.

Task 3 - Earthquakes

Have a read about earthquakes. How they occur and the damage they can do. When you have read the information can you have a go at completing the sentences in the activity below.

Dictionary Definition

earthquake

/ˈɜːθkweɪk/

noun

A sudden violent shaking of the ground, typically causing great destruction, as a result of movements within the earth's crust or volcanic action.

Synonyms: earth tremor, tremor, convulsion, shock, foreshock, aftershock;

Why do Earthquakes happen?

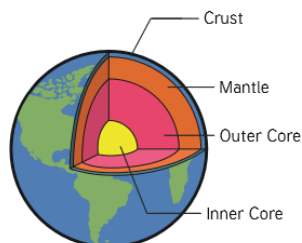
An earthquake disrupts the surface of the Earth, causing the ground to move and shake.

Earthquakes happen when two large pieces of the Earth's crust slip.

Some earthquakes can be stronger than others, meaning they can destroy homes and have disastrous consequences.



Under the Earth's surface



The Crust

The Mantle

The Outer Core

The Inner Core

Under the Earth's surface, there are four layers – The crust, The Mantle, The Outer Core and The Inner Core.

The Crust is made up of lots of little pieces, which overlap. These are known as tectonic plates.

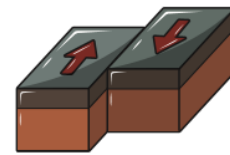
They are between 5km and 10km thick! The tectonic plates make natural movements; after a long period of time, these movements cause earthquakes.

Tectonic Plates

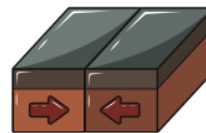
The tectonic plates are always making small movements.

They move in three different directions. These are known as divergent, convergent and transform.

Tell your partner the things you notice about the way the plates move.



Transform



Convergent



Divergent

Tectonic Plates



Transform



Convergent



Divergent

Divergent

Where the plates move away from each other

Convergent

This is where the plates move into one another

Transform

During this movement, the plates move sideways in relation to each other

How much do the plate move? It is believed, that the plates move around 3cm–5cm per year.

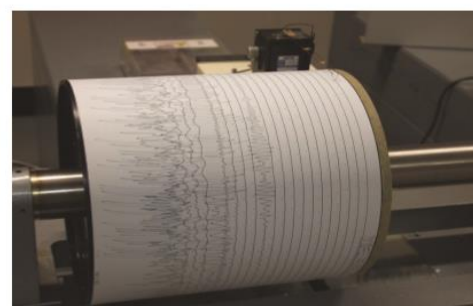
This may only seem like a small amount of movement, but these movements, each year, are what causes earthquakes.

How are earthquakes measured?

A seismometer monitors the vibrations caused by an earthquake.

The data is then plotted on a seismograph.

It is measured using the Richter scale, on a scale of 0–10.



The Richter Scale

| | |
|---------|--|
| 0-2.0 | Not measured, not felt. |
| 2.1-2.9 | Measured, but not felt. |
| 3.0-3.9 | Sometimes felt, no damage caused. |
| 4.0-4.9 | Light shaking of items, little damage, if any. |
| 5.0-5.9 | Slight structural damage possible. |
| 6.0-6.9 | Potential for destructive tremors. |
| 7.0-7.9 | Serious damage over large areas. |
| 8.0-8.9 | Devastating damage over huge areas. |
| 9.0-10 | Extreme destruction. |

Earthquakes

The earth's surface is made up of large, flat pieces of _____ that fit together like a giant 3D jigsaw puzzle. They are called _____ plates. The place where these plates meet is called a _____. These plates move very slowly and sometimes they rub against each other or collide. When this happens, a wave of energy is forced to the _____, causing tremors and _____.

Earthquakes are very _____. They can leave large cracks in the _____, make buildings collapse, or set off avalanches of snow or landslides of mud and rocks.

If an earthquake happens at the bottom of the ocean, waves of _____ can be forced upwards. This forms into a huge wave called a _____. When a tsunami reaches _____, the force of the water can topple buildings and sweep away cars and trees. In December 2004, a massive earthquake occurred in the Indian Ocean. The resulting tsunamis crashed into several _____, including Indonesia, Sri Lanka, India and Thailand. 300,000 people died.

If an earthquake occurs, it is safer to stay inside and take cover under a _____. If there are no _____, crouch by an inside wall with your arms covering your head and _____. Stay away from bookcases, windows and light fittings. Hold tight to something _____ until the _____ stops.

| | | | | | | | |
|---------|-----------|-----------|---------|----------|-------|--------|-------|
| tsunami | shakes | tables | surface | tectonic | table | ground | land |
| shaking | countries | dangerous | face | water | fault | rock | solid |

You may want to copy the Richter Scale table - you could also colour code it. 😊

Keep safe everybody.

Mr Thompson