

Monday 2nd February

Morning Challenge

**Infer**

1. How did the birds get there?
2. What caused the flood?
3. Whose house is this?
4. What is in the floating bottle?
5. What is submerged under the water?
6. What do you think will happen next?



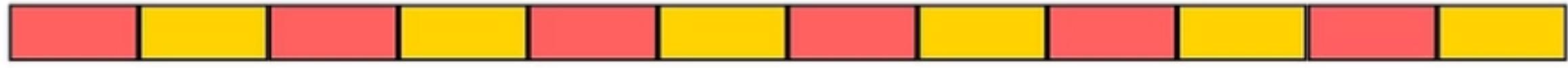
02.02.26

TBAT: round 3-digit numbers to the nearest 10.

**8 x tables**

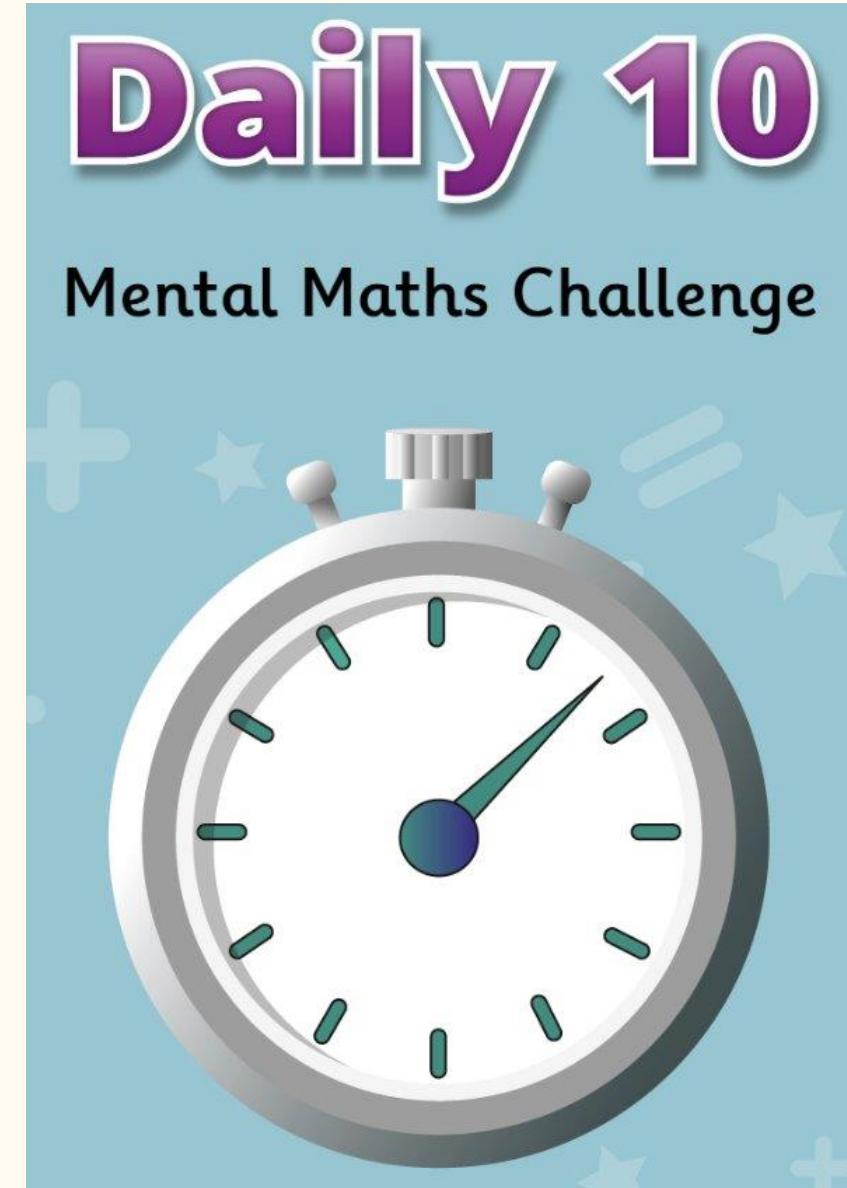
What are the easiest times tables to add?

Are there any patterns we can see?



02.02.26

TBAT: round 3-digit numbers to the nearest 10.



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TBAT: round 3-digit numbers to the nearest 10.

3 in 3

1.  $\boxed{\phantom{00}} - 100 = 762$

2. Double 26 =  $\boxed{\phantom{00}}$

3. There are 88 pupils in Year 3. 8 children play piano, 9 children play guitar and 13 children play the drums. How many children do **not** play the piano, guitar or drums in Year 3?

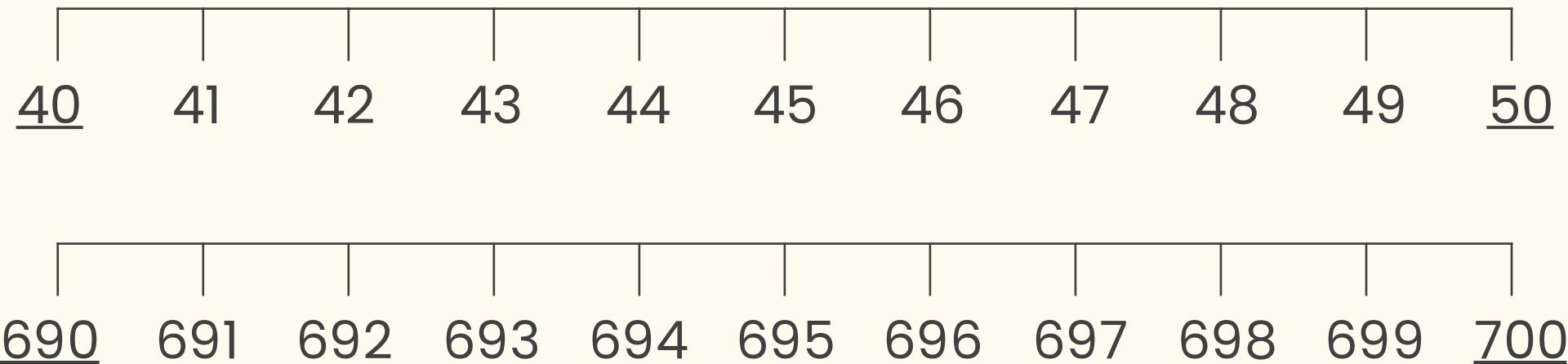
Challenge: The music department would like at least half of the children in Year 3 to play piano, guitar or drums. How many more children need to take up an instrument to reach this target?

Rounding to the nearest 10 enables us to make estimations more easily without requiring exact amounts. We can use it in:

- **shopping:** estimating how much money can be spent, to the nearest £10
- **party planning:** gives a quick idea of how many people are invited and how much needs to be purchased for everyone
- **DIY:** knowing how much of a material to buy, as they will often be sold in multiples of 10



Before we can round to the nearest 10, we must first be able to identify **multiples** of 10.



It does not matter how many digits a number has, we know that it is a multiple of 10 if it has a 0 in the ones place.

When **rounding** to the nearest 10, we are looking for the closest multiple of 10 to that number.



We can use a **number line** to help us to round 48 to the nearest 10.

**Thinking time:**

Is 48 closer to 40 or 50?

Use the number line to complete the statements.



- A. 33 rounded to the nearest 10 is \_\_\_ because it is the closest multiple of 10 to 33.
  
- B. 36 rounded to the nearest 10 is \_\_\_ because it is the closest multiple of 10 to 36.



When rounding to the nearest 10, we use the same method no matter how many digits the number may have.



Again, we can use a number line to help us to round 812 to the nearest 10.

Is 812 closer to 810 or 820?

## Knowledge check (whiteboards)

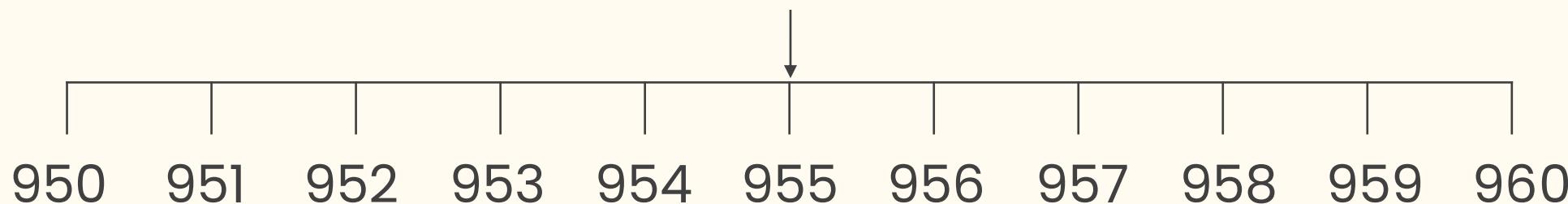
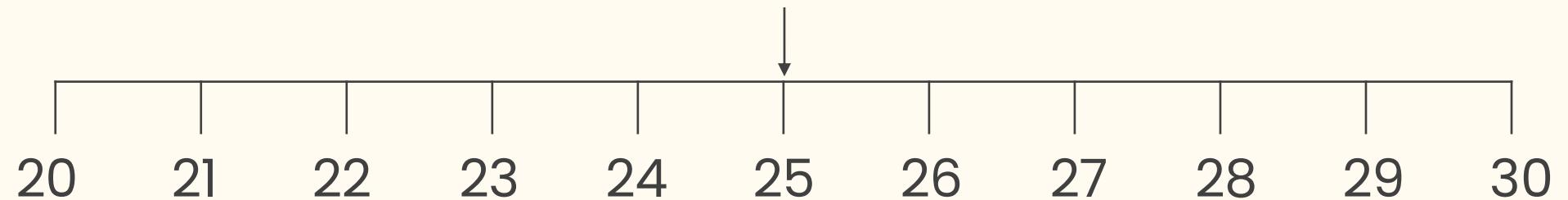


A. 458 rounded to the nearest 10 is \_\_\_\_\_ because it is the closest multiple of 10 to 458.

B. 452 rounded to the nearest 10 is \_\_\_\_\_ because \_\_\_\_\_ is the closest multiple of 10 to 452.



However, if a number has the digit 5 in the ones place, it will always be found at the **midpoint** between the two closest multiples of 10.



As the number is at the midpoint, it is an equal distance between the two closest multiples of 10.

## Whiteboard work

Use the number line to complete the statement.



375 is at the midpoint between the two closest multiples of 10.

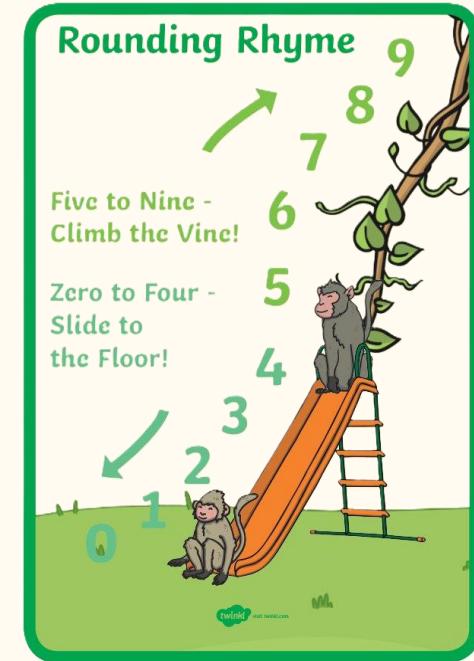
Therefore, 375 must be \_\_\_ when rounded to the nearest 10.

When rounding to the nearest 10, we must first look at the digit in the ones place to decide which multiple of 10 is closest.

$$\underline{19} \longrightarrow 20$$

$$\underline{402} \longrightarrow 400$$

$$\underline{77} \longrightarrow 80$$



Understanding these patterns means that we can round to the nearest 10 without using a number line.

02.02.26

TBAT: round 3-digit numbers to the nearest 10.

Round the following numbers to the nearest 10.

1. 246



2. 355



3. 552

4. 321

5. 826

RP: Aisha is rounding numbers to the nearest 10.

- 248
- 252
- 243

Aisha says:

"243 and 248 will round to the same number, but 252 will round to a different number."

Do you agree with Aisha? Explain your reasoning clearly.

02.02.26

## TBAT: round 3-digit numbers to the nearest 10.

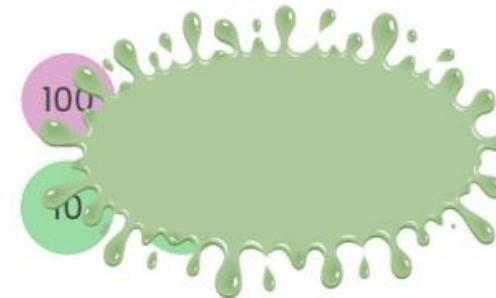
### Challenge

**1a.** Which numbers are incorrectly placed on the table? Explain why.

Nearest ten is 210	Nearest ten is 220
211	216
two hundred and sixteen	214
208	two hundred and fifteen
204	219
two hundred and thirteen	two hundred and seventeen

### Mastery Challenge

**3a.** More than ten place value counters are hidden behind the splat.



The number they represent can be rounded to 140.

What could the counters be and what number do they represent?

### Mastery with greater depth

**9a.** Samantha is thinking of two numbers that both round to 180.

The difference between the two digit sums is 5.

What could the two numbers be?  
Investigate all the possible pairs.

Which pair of numbers have the same digit sum?

Monday 2nd February

TBAT: Create negative meanings using the prefix dis.

Talk partners

What is a prefix?

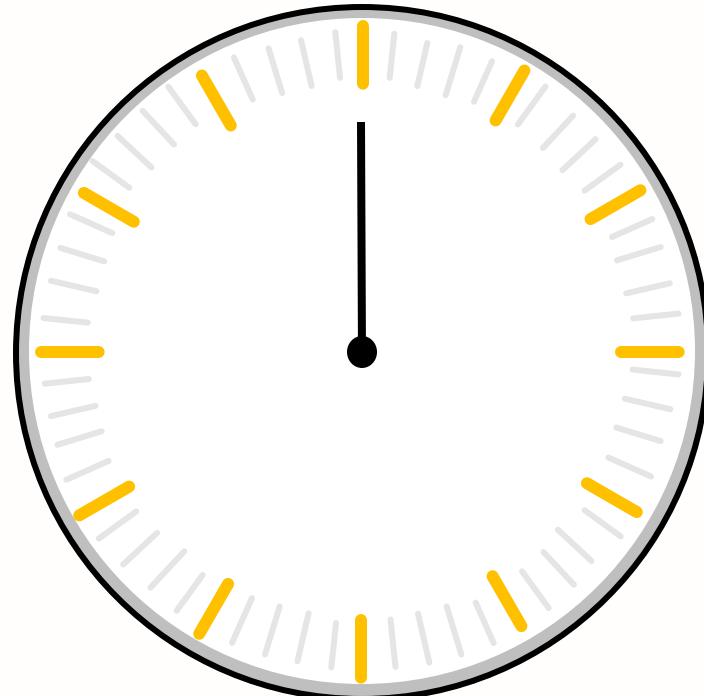
What do you think the dis-prefix means at the beginning of a word?

Working with a partner, write down as many dis- prefix words as you can think of in the next five minutes.

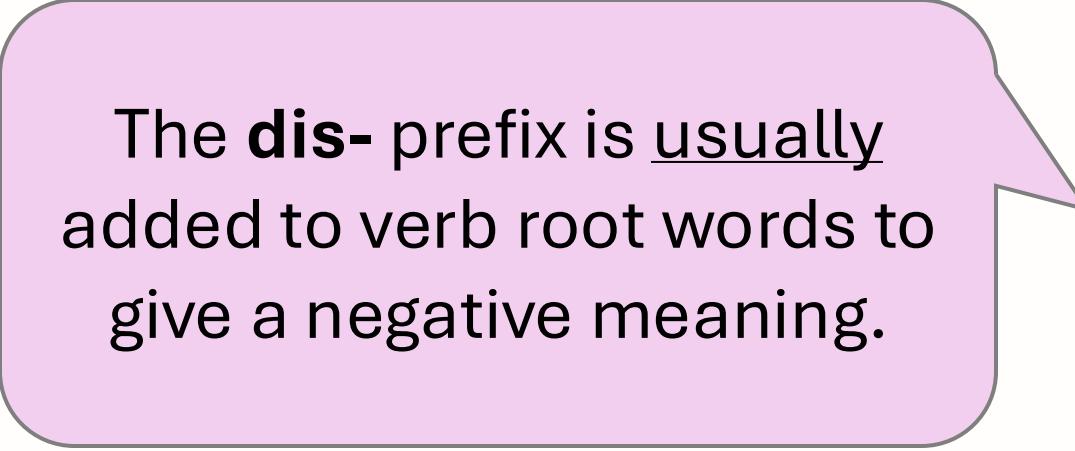
What sort of words do we usually add **dis-** to?



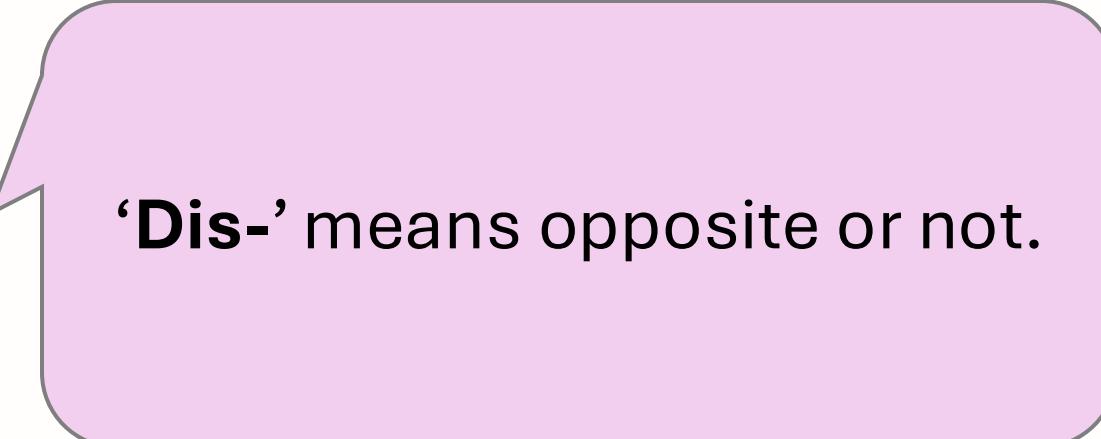
How does adding **dis-** affect the meaning of a root word?



Start



The **dis-** prefix is usually added to verb root words to give a negative meaning.



‘Dis-’ means opposite or not.

Monday 2nd February

TBAT: Create negative meanings using the prefix dis.

dislike

disobey

discolour

discover

disappear

dishonest

disallow

disbelieve

disapprove

discontinue



A vertical column of handwriting practice lines. It consists of a yellow vertical bar on the left and a series of horizontal lines on the right. There are two sets of lines: a top set of three lines (red top, light blue middle, red bottom) and a bottom set of three lines (red top, light blue middle, red bottom). These lines are intended for students to practice writing the prefix 'dis-' followed by each of the ten words listed on the left.

Challenge - Use each Y3/4 word in a correctly punctuated sentence.  
Include a conjunction.

# Monday 2nd February

## TBAT: retrieve and infer information from a diary entry.

### 3 in 3

**14. Tick the sentence that includes a conjunction.**

Light from the silvery moon reflected on the water.

The school choir sang their favourite song.

He wanted to join in, but he couldn't remember the words.

**15. Tick the box to show which sentence uses a conjunction of place correctly.**

Tick one.

Do you know wherever my new trainers are?

The kitten followed Meeka wherever she went.

**18. Circle the conjunction of time in the sentence below.**

Grandad is taking us out for burgers after we have finished our homework.

**List coordinating conjunctions (FANBOYS)**

Monday 2nd February

TBAT: retrieve and infer information from a diary entry.

Talk partners

What are the features of a diary entry?

What words would we use for first person?

Explain why a diary needs to be in past tense

Monday 2nd February

TBAT: retrieve and infer information from a diary entry.

Words found in the text:

**Exist** - To *exist* means to be real or to be alive.

**Steady** - *Steady* means not shaking, not moving, or staying the same.

**Legend** - A *legend* is a famous old story that people have told for many years.

**Knot** - A *knot* is a twist or loop in a piece of string, rope, or hair.



Monday 2nd February

TBAT: retrieve and infer information from a diary entry.

Dear Diary,

Tonight, something amazing and frightening happened! Grandmama told me that real witches exist. When she said it, my whole body went still and tingly, like someone had poured cold water down my back. I stared at her with my mouth hanging open like a surprised goldfish.

She explained that witches look like ordinary ladies, the kind you might see buying apples or walking their dogs. That made the room feel suddenly darker and creepier, even though the fire was glowing bright and warm. The shadows on the walls looked long and wiggly, like they were listening too.

Grandmama's voice was calm and steady, but her eyes were sharp and serious, like she knew secrets no one else in the world did. Her wrinkly hands rested on her lap, and the firelight made her look wise and brave, almost like a storyteller from an old legend.

When she told me that witches hate children, my stomach twisted into a tight, nervous knot. I felt a little shaky, like a leaf in the wind. But Grandmama reached out and patted my hand, and suddenly I felt a bit safer. She always knows how to make scary things feel a little less scary.

I'm glad she told me the truth, even though it made my heart beat fast. Now I know what to watch out for. I hope I never, ever meet a witch — not even a tiny one hiding behind a bookshelf.

# Monday 2nd February

## TBAT: retrieve and infer information from a diary entry.

1. What was the boys mouth described as?

A ghost

A goldfish

A tunnel

2. How were the shadows described?

Long and wiggly

Short and dark

Large and scary

3. What made the boy feel safer?

Grandmama patting his hand

Grandmama hugging him

Hiding under his blanket.

Why does the boy trust Grandmama even when the story is scary?

She doesn't believe in witches

She tells jokes to make him laugh

She has a calm, wise way of speaking.

Monday 2nd February

TBAT: retrieve and infer information from a diary entry.

Inference questions:

1. In paragraph 1, how do you think the boy was feeling when he found out witches exist?
2. Why do you think Grandma told the boy the witches look like "ordinary women"?
3. Why do you think Grandmama's eyes were "serious"?
4. In paragraph 4, why do you think the boy felt shaky?  
He doesn't listen to her stories  
He feels safe and trusts her deeply  
He thinks she is too strict  
He wants her to stop talking
5. What can we infer about the boy's relationship with Grandmamma?  
He doesn't listen to her stories  
He feels safe and trusts her deeply  
He thinks she is too strict  
He wants her to stop talking

**How do you think the boy feels at the end of the diary entry?**

lundi 2 février

TBAT: use the verb 'to play'.

la clarinette



les cymbales



la batterie



Translate the French musical instruments into English.

lundi 2 février

TBAT: use the verb 'to play'.



[languageangels.com/resource/1/4/131/721](http://languageangels.com/resource/1/4/131/721)

# lundi 2 février

## TBAT: use the verb 'to play'.

Nom: \_\_\_\_\_

**INSTRUCTIONS:** Pretend to be each character and say which instrument you play. Use the word bank to help.



Je joue...



Je joue...



Je joue...



Je joue...



Je joue...



Je joue...



Je joue...



Je joue...



Je joue...



Je joue...

des cymbales  
de la batterie

de la trompette  
de la clarinette

du piano  
de la flûte à bec

de la guitare  
du triangle

du violon  
de la harpe

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Monday 2nd February

Q. What are tropical and equatorial climate zones like?

3 in 3

Tropical climate zones are warm and have lots of sunshine all year long. They are found near the equator, where the Earth is closest to the sun. In these areas, there are usually two seasons: a wet season with lots of rain and a dry season with less rain. Tropical climates are home to rainforests, where animals like monkeys, parrots, and tigers live. The temperature in these places stays warm, and plants grow really fast because of the heat and rain.

1. What two seasons are found in tropical climate zones?
2. Name two animals that live in the tropical rainforest.
3. Where are tropical climate zones found on Earth?

Explain why a parrot would not be able to live in a polar climate zone.

Monday 2nd February

Q. What are tropical and equatorial climate zones like?

Which climate zone is the United Kingdom in?

Mediterranean

polar

subpolar

temperate

Which climate zone has two seasons?

Mediterranean temperate

Which words complete the sentence?

closer to

further away from

Mediterranean climate zones are.... the Equator than temperate climate zones.

## Lesson 5: Lesson statement



In this lesson, we will compare tropical and equatorial climate zones. We will also learn to analyse photographs and charts to identify a tropical or an equatorial climate's conditions.



The key term in this lesson is **tropical climate zone**. A tropical climate zone has a rainy summer season and a very hot and very dry winter season.



## What are tropical and equatorial climate zones like?

### Key knowledge

- Tropical climate zones are located either side of the equatorial climate zones.
- Tropical climate zones have two very different seasons: a rainy season and a dry season.
- Equatorial climate zones are found along the Equator.
- Equatorial climate zones are hot and humid all year round.

### Key vocabulary

- equatorial climate zone
- rainfall
- season
- temperature



## What is the climate like in a tropical climate zone?

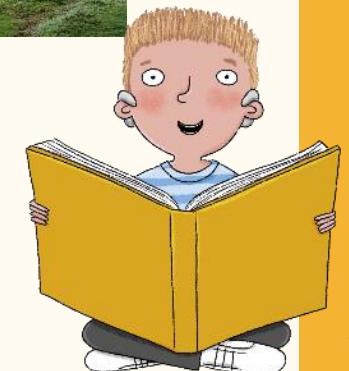
The **tropical climate zones** are mostly found between the Tropic of Cancer and the Tropic of Capricorn, but not along the Equator.

They are either side of the equatorial climate zones.

Places in the tropical climate zones have two very different **seasons**: a rainy season and a dry season.

The rainy season (the summer) is hot and wet. The dry season (the winter) is very hot and very dry.

[Tropical rainforest regions of the world](#)  
[- 4th level Geography - Video - BBC Bitesize](#)



# What is the climate like in an equatorial climate zone?

The **equatorial climate zones** are found along the Equator. The Sun's heat is the most intense here, and so places in equatorial climate zones are hot all year round. There is also heavy **rainfall** throughout the year and the air nearly always feels humid.

All of the tropical rainforests are in equatorial climate zones (even though they sound like they should be in the tropical climate zones).



## Find the equatorial and tropical zones in an atlas

Colour the equatorial zones on the map **red**.

Colour the tropical zones on the map **orange**.

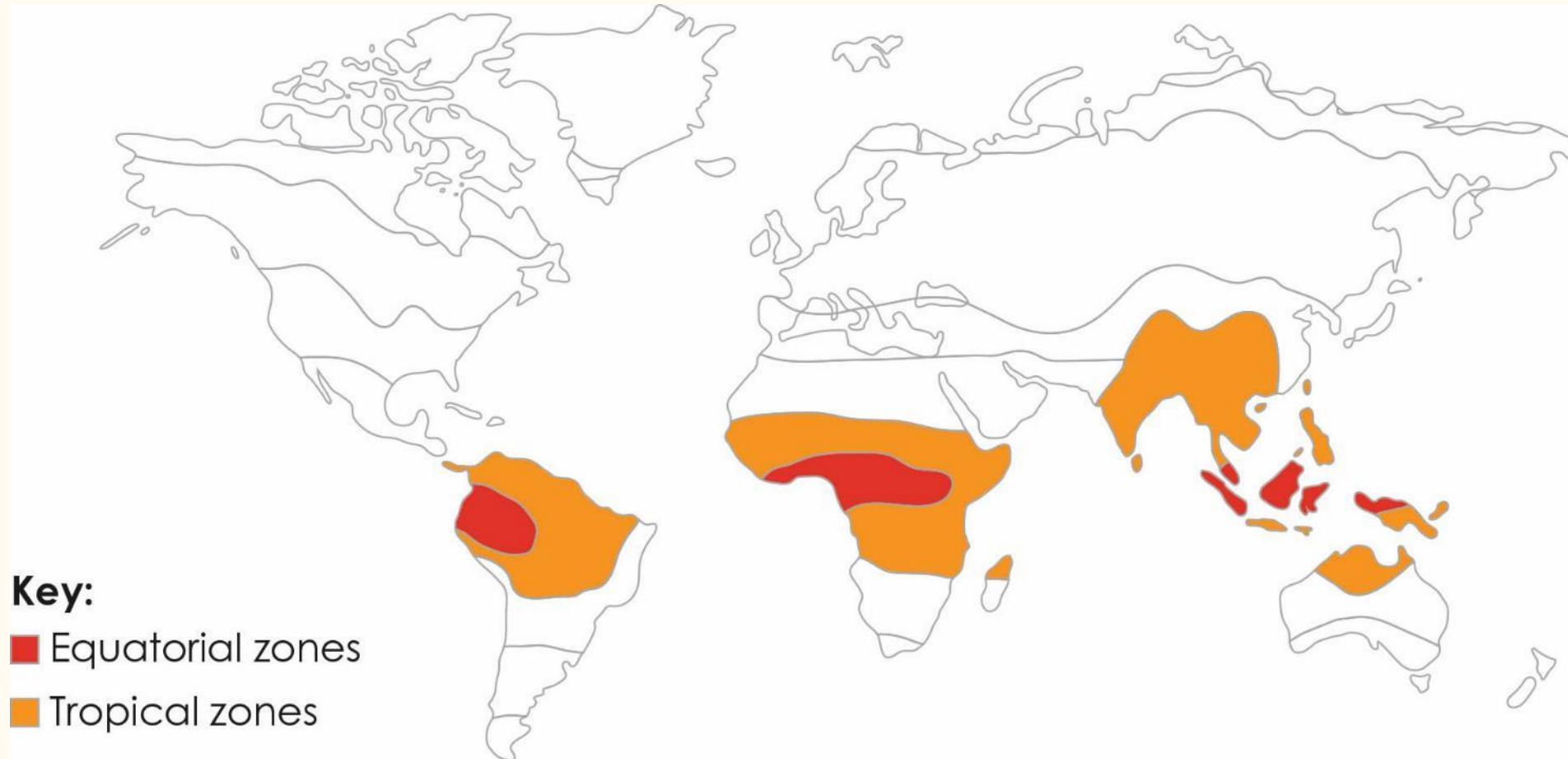


**Key:**

- Equatorial zones
- Tropical zones



## Find the equatorial and tropical zones in an atlas



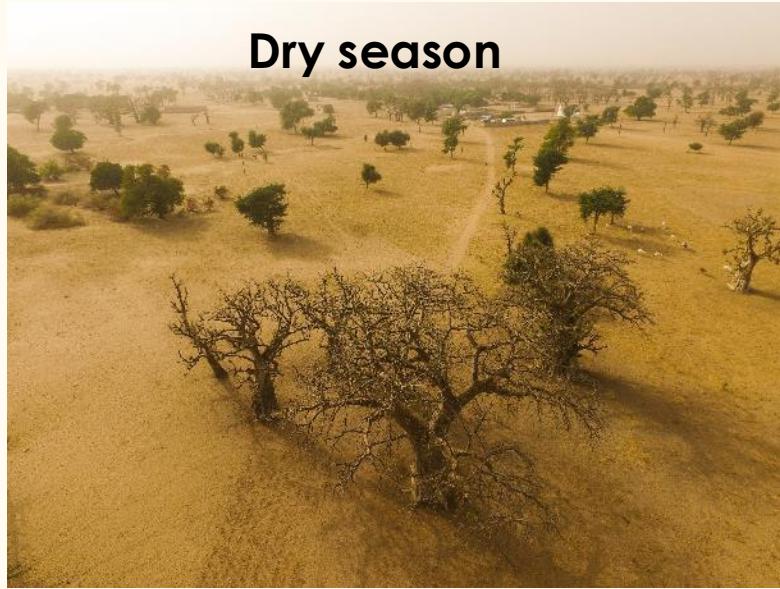
# **Fact file**

Look at the following slides to help you complete your fact files.

Write down the information carefully.

## Fact file 1: Senegal

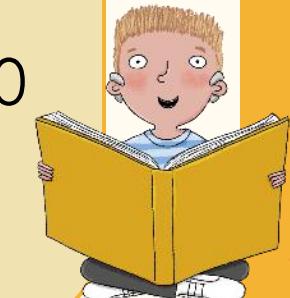
Dry season



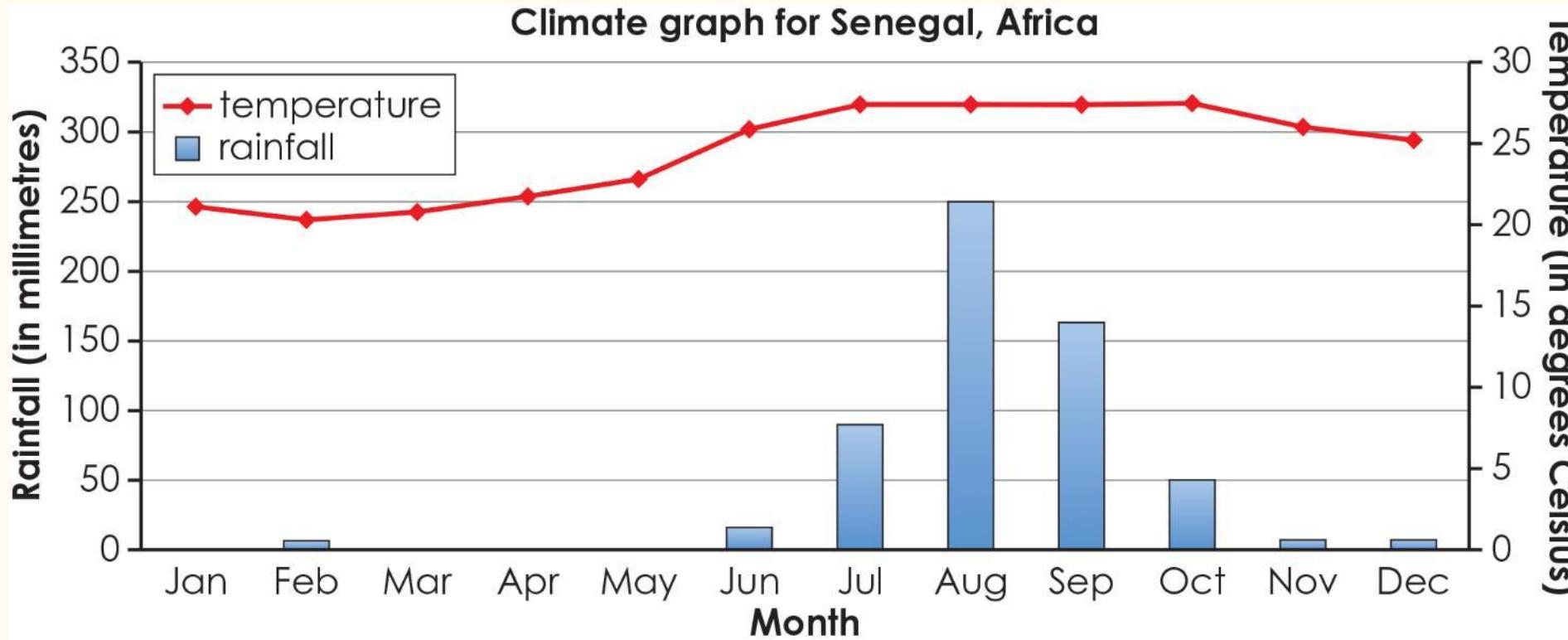
Wet season



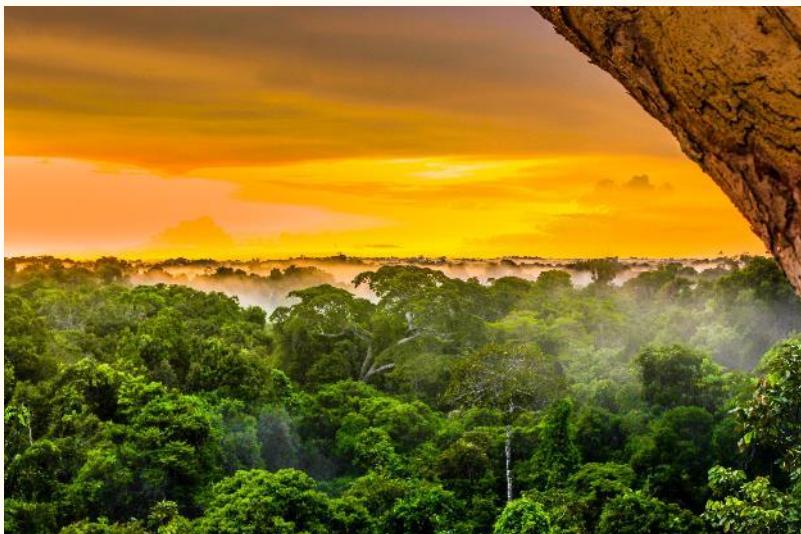
Senegal's dry season lasts from January until the summer months, when the wet season begins. Temperatures range between 20 and 30 degrees Celsius all year round.



## Fact file 1: Senegal



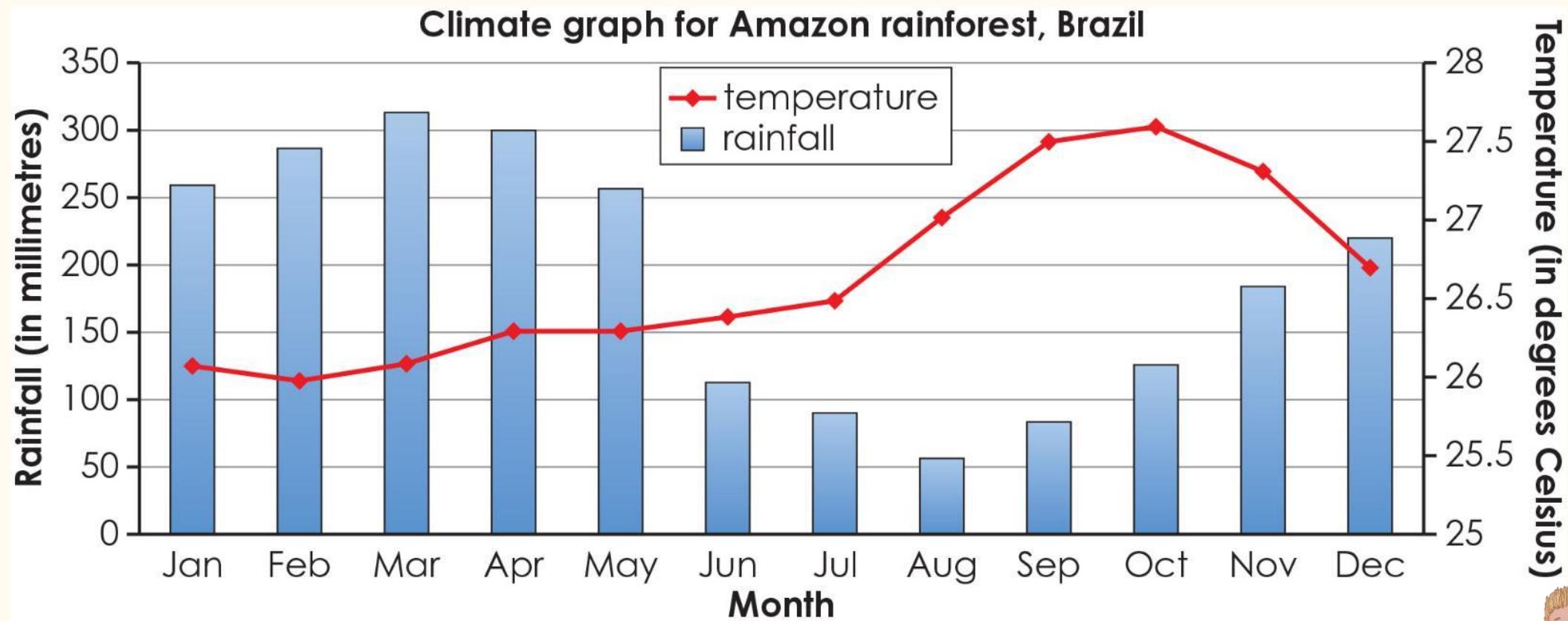
## Fact file 2: Amazon rainforest, Brazil



The Amazon rainforest in Brazil has heavy rainfall all year round, which peaks at the beginning of the year. Temperatures vary from around 26 to 27.5 degrees Celsius.



## Fact file 2: Amazon rainforest, Brazil



## Questions on the Fact files

### Underneath your fact file:

Write one thing that is similar about the two climate zones described in the two fact files.

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Write one thing that is different about the two climate zones described in the fact files.

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## Questions on the Fact files

### Exit questions

What seasons are found in a tropical climate zone?

Where are equatorial climate zones found?

