

Tuesday 28th April

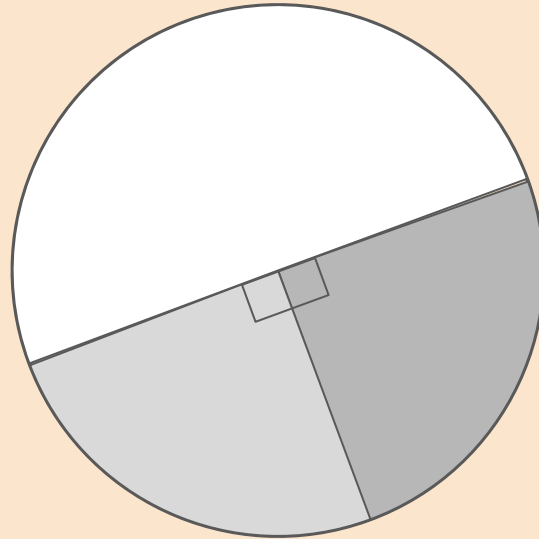
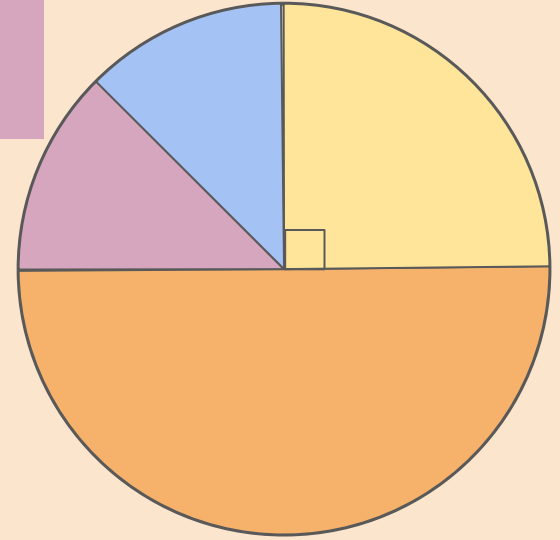
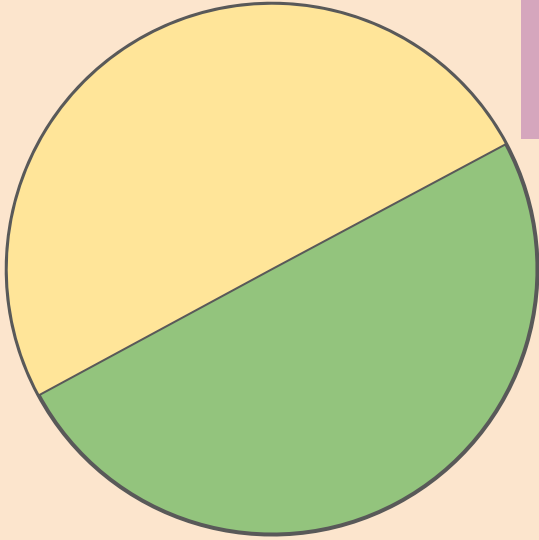
Home Learning

9-9.30 Brain wake and shake with Joe Wicks



LO: I can relate fractions to angles in a pie chart.

There are 360° in a full circle.
There are 180° in a semicircle.
There are 90° in a right angle.



Which angles can you see within these circles?

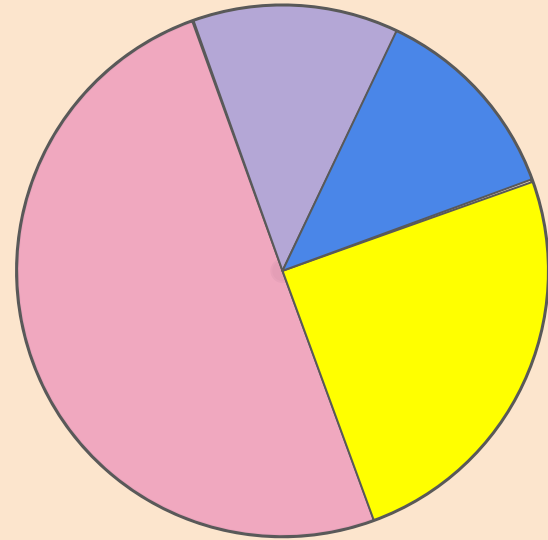
Miss Robb surveyed her class on their favourite colours.

Half of the class prefer pink.

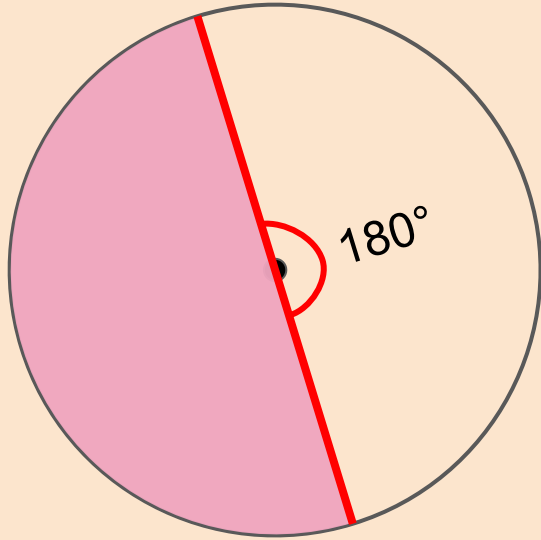
One quarter of the class prefer yellow.

One eighth of the class prefer purple.

One eighth of the class prefer blue.



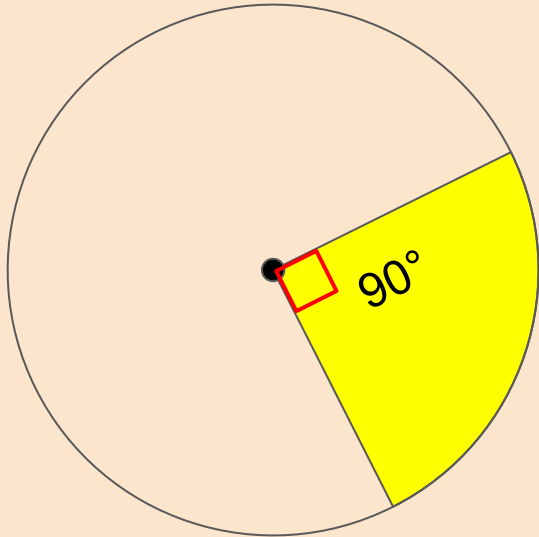
The results of the survey are displayed in this pie chart.



What do you notice about the shape of $\frac{1}{2}$ in a pie chart?

$$\frac{180}{360} = \frac{1}{2}$$

A $\frac{1}{2}$ segment is 180° because 180 is half of 360.

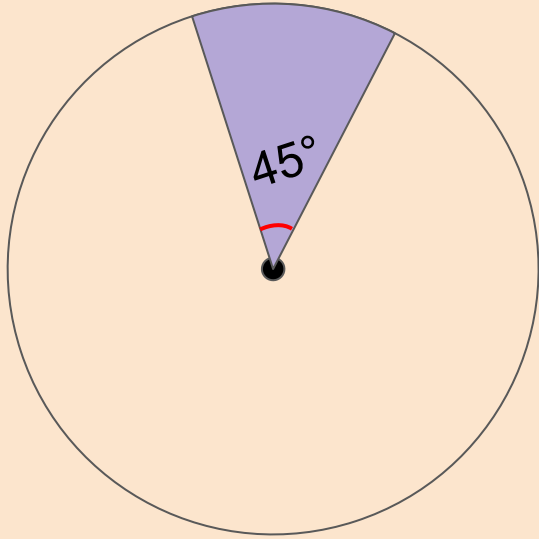


What do you notice about the shape of $\frac{1}{4}$ of a pie chart?

$$\frac{90}{360} = \frac{1}{4}$$

A $\frac{1}{4}$ segment is 90° because

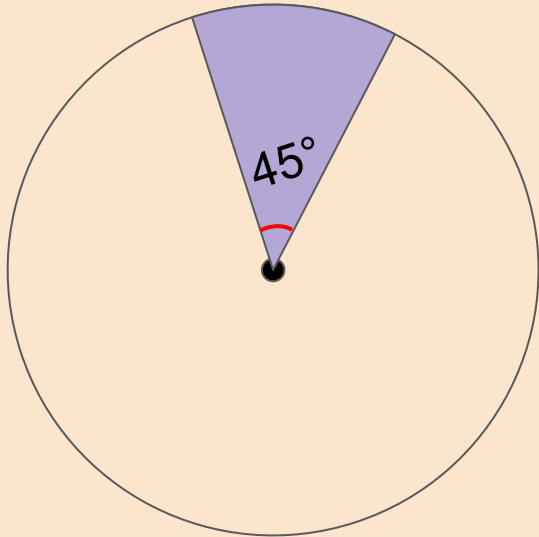
_____.



$\frac{1}{8}$ of a pie chart is 45°

How might you find this angle?

Is there more than one way?



I know $\frac{1}{8}$ is 45°
because it's half of a
quarter, which was 90° .

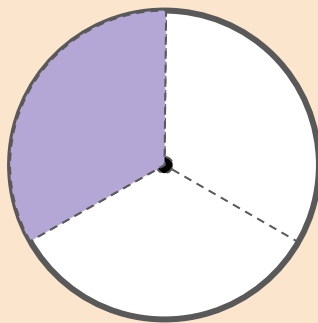
I know $\frac{1}{8}$ is 45°
because I calculated $\frac{1}{8}$
of 360 ($\frac{1}{8} \times 360$).

Can you evaluate these methods? Which will
be more useful to you in finding other pie chart
segments?

Let's try applying this method to finding other pie chart segments.

Jess read $\frac{1}{3}$ of her book over the weekend.

What is the angle of this segment in a pie chart?



\times $\frac{1}{3}$ of 360

\div

$$360 \div 3 = 120$$

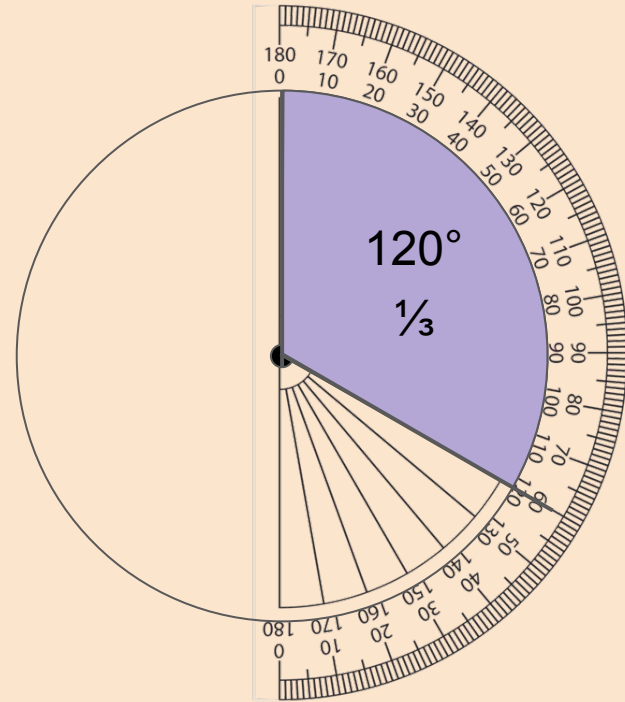
$$120 \times 1 = 120$$

A segment is 120 because 120.

Let's try applying this method to finding other pie chart segments.

Jess read $\frac{1}{3}$ of her book over the weekend.

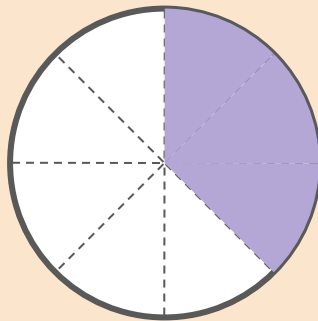
What is the angle of this segment in a pie chart?



Let's try applying this method to finding other pie chart segments.

$\frac{3}{8}$ of the children in Miss Robb's class are boys.

What is the angle of this segment in a pie chart?



\times $\frac{3}{8}$ of 360

\div

$$360 \div 8 = 45$$

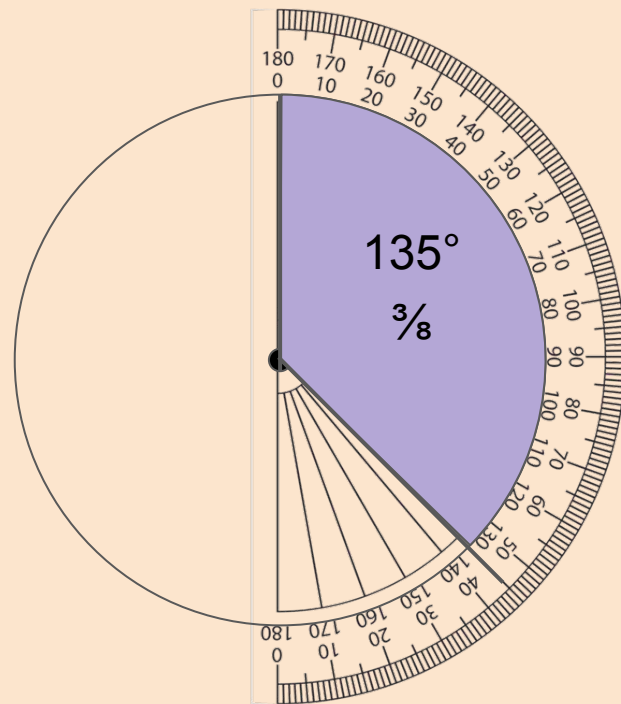
$$45 \times 3 = 135$$

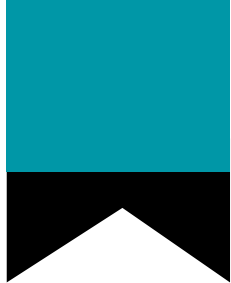
A segment is 135 because 360 divided by 8 is 45, and 45 multiplied by 3 is 135.

Let's try applying this method to finding other pie chart segments.

$\frac{3}{8}$ of the children in Miss Robb's class are boys.

What is the angle of this segment in a pie chart?





Generalisation

The angles of pie chart segments are found by calculating the fraction of 360° .

For example, $\frac{1}{4}$ of 360° is 90, so the segment has an angle of 90° .

Know

Do the work on these slides and then hand in.

Hannah collected data on the items her family recycled over one month. Her results are shown below. Can you fill in the missing values?

| | Cans | Plastic Bottles | Newspapers |
|---------------|---------------|-----------------|---------------|
| Fraction | $\frac{1}{6}$ | | $\frac{2}{5}$ |
| Segment Angle | | 36° | |

Apply

Do the work on these slides and then hand in.

John had 25 minutes to tidy his room. He spent 5 minutes making his bed. 15 minutes folding clothes and the rest of the time organising his desk.

What fraction of time did he spend on each task and what angle would each segment have in a pie chart?

Reflection

Do the work on these slides and then hand in.

Which of the angle/fraction relationships might we benefit from knowing by heart? Why?

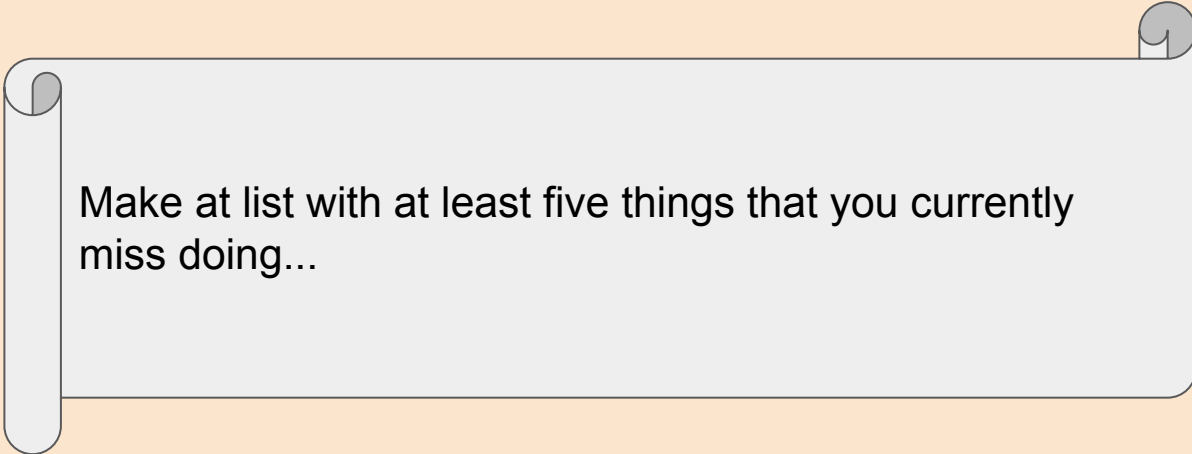
LO: To create a poem with a
theme.

Tuesday 28th April

Have you ever wondered what is behind a closed door?



Currently, the world is in lockdown, shut behind doors for our own safety and the safety of everyone else. Covid-19 has closed schools, closed shops and temporarily closed some of the things we take for granted, like playing in the park with our friends.

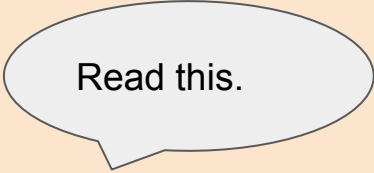


Make a list with at least five things that you currently miss doing...

We have got to use our imagination to help us during this difficult time. Letting our mind take us to different places around the world, until we are allowed to do it for real again!



The Magic Box by Kit Wright



Read this.

I will put in the box
the swish of a silk sari on a summer night,
fire from the nostrils of a Chinese dragon,
the tip of a tongue touching a tooth.

I will put into the box
a fifth season and a black sun,
a cowboy on a broomstick
and a witch on a white horse.

I will put in the box
a snowman with a rumbling belly
a sip of the bluest water from Lake Lucerene,
a leaping spark from an electric fish.

My box is fashioned from ice and gold and steel,
with stars on the lid and secrets in the corners.
Its hinges are the toe joints of dinosaurs.

I will put into the box
three violet wishes spoken in Gujarati,
the last joke of an ancient uncle,
and the first smile of a baby.

I shall surf in my box
on the great high-rolling breakers of the wild
Atlantic,
then wash ashore on a yellow beach
the colour of the sun.

What are your thoughts on the poem?

Did you enjoy it?

What parts did you like the most?

What parts did you like the least?

Do this on the google doc for today's lesson!

Instead of a magic box, we are going to imagine what is behind a magical door.

Write down any ideas that pops in your head, starting with this sentence:

I opened the magical door and saw....

Don't worry if your ideas are bizarre, just write them down for now!

Example:

I opened the magical door and saw a minute elephant and human-sized ant.

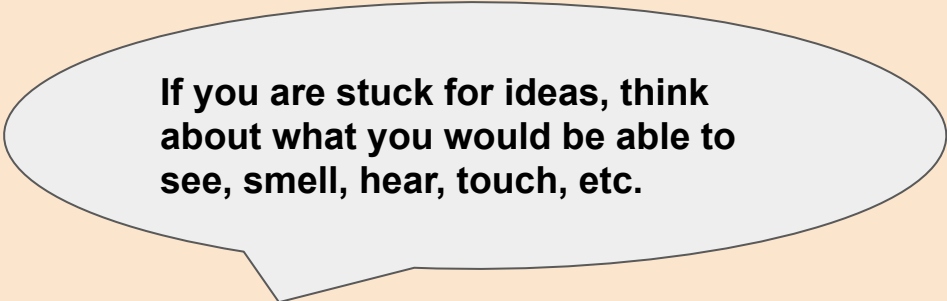
I opened the magical door and saw all the stars at once.

With the ideas you have, can you now add more adjectives to them?

Example

I opened the magical door and saw a shoal of hungry shadows, tangoing through busy streets.

I opened the magical door and saw a still line of statues.



If you are stuck for ideas, think about what you would be able to see, smell, hear, touch, etc.

On your google docs, have a go at using other punctuation to list what you can see, rather than having I opened a magical door and saw repeated.

Example

The Magical Door

I opened the magical door and saw ...
a world turned upside down:
the sea, now a floating ceiling,
the fluffy clouds, an inviting carpet.

I opened the magical door and saw ...
the reflection of myself:
standing, searching, staring, questioning
how this was possible.

I opened the magical door and saw ...
a sweet-treat paradise:
clouds of candy floss,
drifting across a bubble gum sky.

I opened the magical door and saw ...
A forest of mirrors, surrounding me in
dazzling white light, leading me into a
world of mystery.

Look at your google docs:

- Have you got at least 5 verses?
- Have you used punctuation to separate each line?
- Have you included fantastic adjectives?
- Are the stanzas in the order that you want them to be?

If you are happy with your poem, you may now submit it!



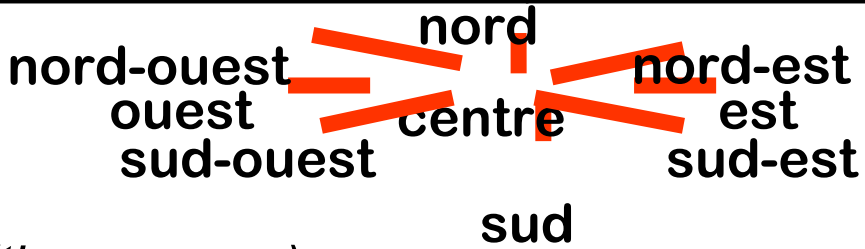
Tuesday 28th April 2020
mardi 28 avril 2020

1. Read over the first two slides on here.
2. Have a go at answering the questions about the weather.
3. When you are finished spend some time on this website. You need to allow flash player for it to work.

<http://www.nicurriculum.org.uk/pl/>

Les points cardinaux *(the points of the compass)*

| | |
|---------------|-------------------|
| c'est... | it is.. |
| au nord | in the north |
| à l'est | in the east |
| au sud | in the south |
| à l'ouest | in the west |
| au nord-est | in the north-east |
| au nord-ouest | in the north-west |
| au sud-est | in the south-east |
| au sud-ouest | in the south-west |



Les saisons *(the seasons)*

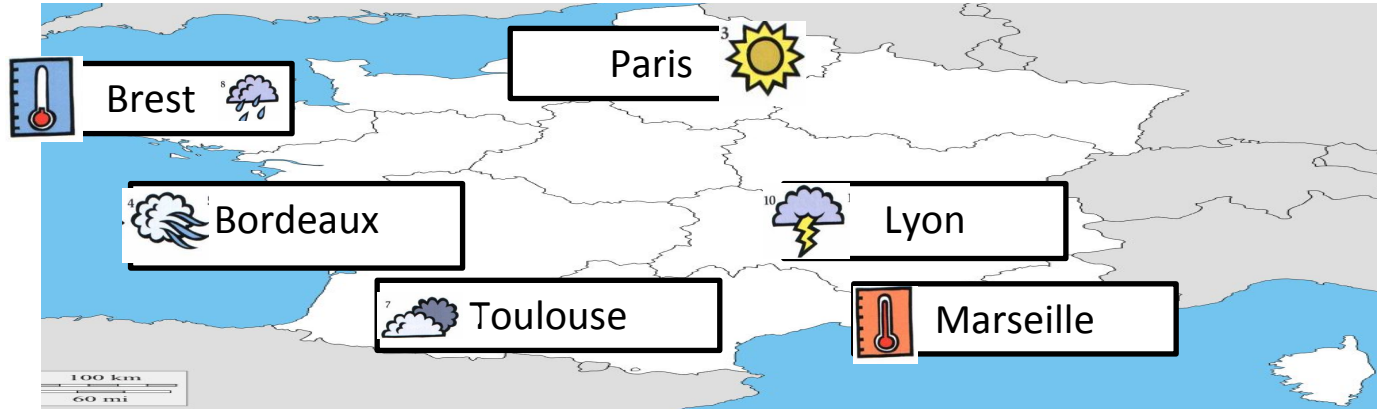
| | |
|--------------|---------------|
| En hiver | In the winter |
| En automne | In the autumn |
| Au printemps | In the spring |
| En été | In the summer |

Le temps (*the weather*)

| Quel temps fait-il? | What is the weather like? |
|----------------------------|----------------------------------|
| le temps | the weather |
| la météo | the weather forecast |
| Il fait... | It is |
| frais | cool |
| beau | good |
| chaud | hot |
| du vent | windy |
| froid | cold |
| mauvais | bad |
| du soleil | sunny |
| il y a... | there is.. |
| du brouillard | fog |
| une tempête | a storm |
| il pleut | it's raining |
| il neige | it's snowing |
| Quand il fait beau... | When it is nice weather... |

Quel temps fait-il? (What's the weather like?)

Look at the weather map and complete the sentences.












| | |
|---|------------------------------------|
| 1 | À _____ il fait chaud. |
| 2 | À _____ il pleut et il fait froid. |
| 3 | À _____ il fait soleil. |
| 4 | À _____ il y a beaucoup de vent. |
| 5 | À _____ il y a une tempête. |
| 6 | À _____ il fait mauvais . |

Quel temps fait-il? (What's the weather like?)

A Fill in the missing vowels.

| | |
|-------------------------|----------|
| 1 Il fait chaud. | E |
| 2 Il fait du vent. | |
| 3 Il y a _n_ t _mp_ t_. | |
| 4 Il pl__t. | |
| 5 Il fait b___ | |
| 6 _l f__t s_l__l. | |
| 7 _l f__t fr__d. | |
| 8 _l n__g_. | |
| 9 _l f__t m__v__s. | |

B Match the phrases to the pictures and write the correct letter in the table above.

| | | |
|---|---|---|
| A  | B  | C  |
| D  | E  | F  |
| G  | H  | I  |

C There is a weather phrase missing. Write it here:

10 _l f__t fr__s.

Quel temps fait-il? (What's the weather like?)









A Read the weather descriptions and fill in the table below with the correct image numbers for any weather mentioned for each season.

Les Pyrénées

| |
|---|
| Au printemps il fait assez frais mais il pleut. |
| Normalement il fait chaud en été. Il fait beaucoup du soleil aussi. |
| En automne il y a du brouillard et quelquefois il y a du vent. |
| En hiver il neige beaucoup, presque tous les jours. |

Marseille

| |
|---|
| Ici, le printemps est agréable parce qu'il fait souvent du soleil. |
| Il fait très chaud en été, quelquefois plus de trente degrés. |
| Le temps en automne n'est pas mal. Il fait du soleil et seulement un peu de vent. |
| En hiver il pleut quelquefois et il neige rarement. |

| | | | |
|---|---|---|---|
| A  | B  | C  | D  |
| E  | F  | G  | H  |

| | printemps | l'été | automne | hiver |
|--------------|--------------|-------|---------|-------|
| Les Pyrénées | G + E | | | |
| Marseille | | | | |

B There is one weather picture missing. What is it?