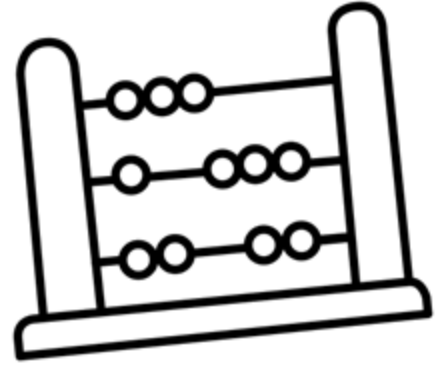


Know the number of days in each month, year and leap year



Maths

Unit: Tell the time to the nearest minute and compare units of time

Outcome

I can say the number of days in each month, year and leap year



Keywords

month

leap year



Keywords

A **month** is one of the 12 parts of the year.

A year containing an extra day is called a **leap year**



Lesson outline

Know the number of days in each month, year and leap year



Know the number of days in each month



Know how many days in a year



Know the number of days in each month

In this lesson, you will meet...

Izzy



Lucas



Know the number of days in each month

Months of the Year Song (to the tune of a famous sea shanty)

January, February, March and April,
May, June, July, August, September,
October, November and then December.
Those are the **months** of the year!



Izzy knows a song to help her remember the **months** of the year and their order. Sing along with her when you know it.



Know the number of days in each month

January

February

March

April

May

June

July

August

September

October

November

December

What do you notice?
The first 12 months of the year are called months in a year.



Know the number of days in each month

January has 31 days.

January 31 days			

February is special. It has 28 days or 29 days and sometimes 30 days.



Know the number of days in each month

The year is in fact made of 12 unequal parts.

January 31 days	February 28 or 29 days	March 31 days	April 30 days
May 31 days	June 30 days	July 31 days	August 31 days
September 30 days	October 31 days	November 30 days	December 31 days

This representation shows the **months** as unequal.



Know the number of days in each month

January

31 days

February

28 or 29 days

March

31 days

April

30 days

May

31 days

June

30 days

July

31 days

August

31 days

September

30 days

October

31 days

November

30 days

December

31 days

The months could be put into three groups according to their length.



Know the number of days in each month



Use the colours to help you say how many days each **month** has.



Know the number of days in each month

There is a famous poem that helps you remember.

30 days hath September,
April, June and November.
All the rest have 31
Excepting February alone,
Which has but 28 days clear,
And 29 in each leap year.

How can I remember how
many days each **month** has?



Practise reading the poem with your partner.

Know the number of days in each month

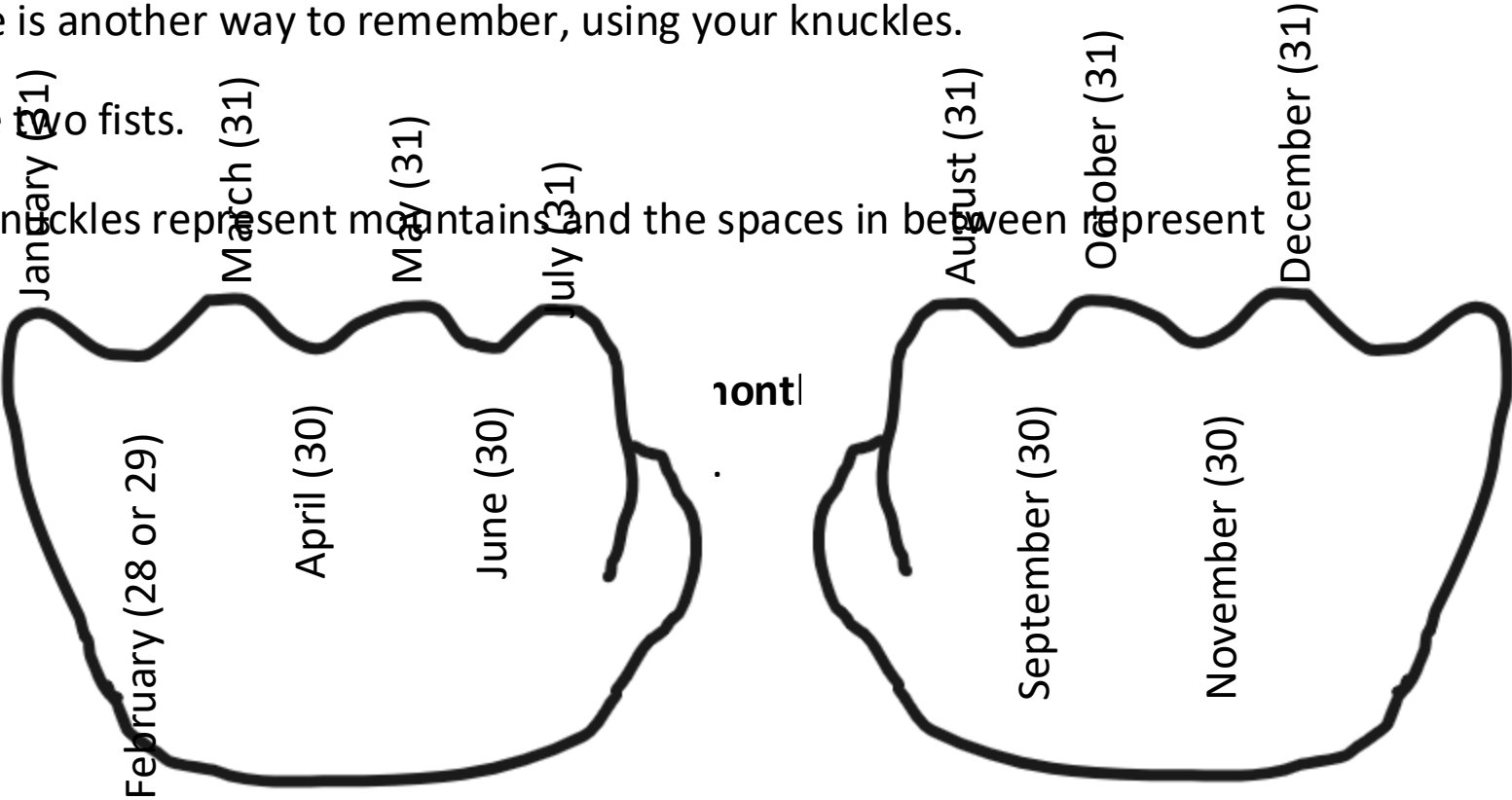
There is another way to remember, using your knuckles.

Make two fists.

The knuckles represent mountains and the spaces in between represent valleys.

Go in
valley

Count



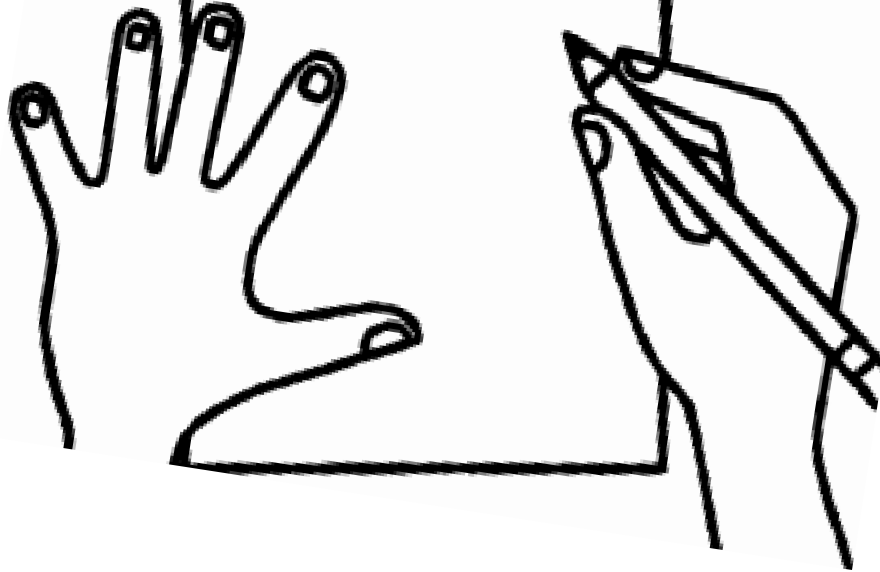
Know the number of days in each month

Equ
in €
chr

ymbols can be used to compare the number of days
ing the symbols. Lucas is

Number of days in

September Number of days in October
days in November



You're right, but wait! They both have 30 days up.



Know the number of days in each month



Check

Complete this statement in different ways.

Number of days in May > Number of days in _____

The possible responses are February, April, June, September and November.

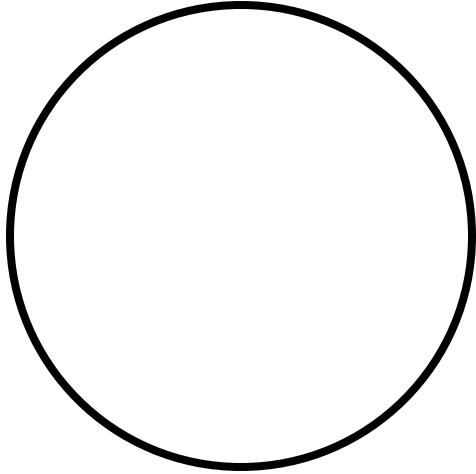


Task A

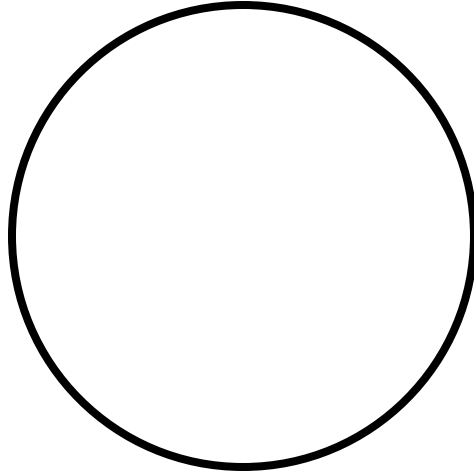
Know the number of days in each month



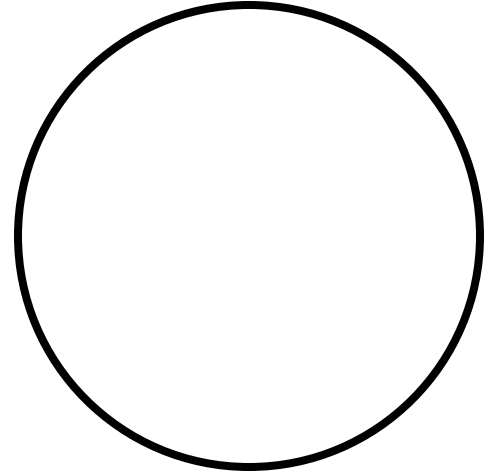
1) Write the **months** of the year in the correct circles.



28 or 29 days



30 days



31 days

The months are January, February, March, April, May, June, July, August, September, October, November and December.



Task A

Know the number of days in each month



2) Write the months of the year on 12 different sticky notes. Use equality and inequality symbols to compare the number of days in each **month** in different ways. Do as many examples as possible.

_____ = _____

_____ < _____

_____ > _____

_____ < _____ < _____

_____ > _____ > _____



3)

- a) Andeep's birthday is on the 30th of June. Jacob's birthday is the day after. When is Jacob's birthday?
- b) Aisha's birthday is on the 29th of October. Jun's birthday is four days after. When is Jun's birthday?
- c) The total number of days in three consecutive months is 91 Which months could it be? Is there more than one answer?

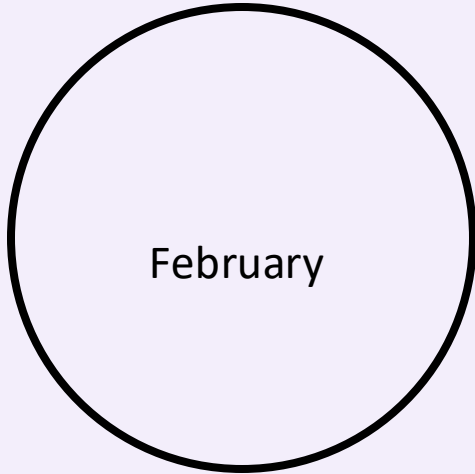


Task A

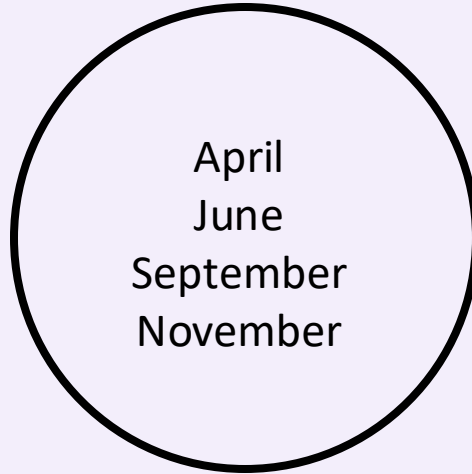
Know the number of days in each month



1) Write the **months** of the year in the correct circles.



28 or 29 days



30 days



31 days



Task A

Know the number of days in each month



Feedback

2) Write the months of the year on 12 different sticky notes. Use equality and inequality symbols to compare the number of days in each **month** in different ways. Do as many examples as possible. For example,

May = July

April < December

January > June

February < April < March

July > June > February



3)

- a) Andeep's birthday is on the 30th of June. Jacob's birthday is the day after. When is Jacob's birthday? 1st of July.
- b) Aisha's birthday is on the 29th of October. Jun's birthday is four days after. When is Jun's birthday? 2nd of November.
- c) The total number of days in three consecutive months is 91 Which months could it be? January, February, March OR April, May, June OR September, October, November OR December, January, February.



Lesson outline

Know the number of days in each month, year and leap year



Know the number of days in each month



Know how many days in a year



Know how many days in a year

January 31 days	February 28 or 29 days	March 31 days	April 30 days
May 31 days	June 30 days	July 31 days	August 31 days
September 30 days	October 31 days	November 30 days	December 31 days

Maybe if we add them
together, we could find the days
for each month. Work out
how many days there are
in a year?



Know how many days in a year

January

31 days

March

31 days

May

31 days

July

31 days

August

31 days

October

31 days

December

31 days

$$31 + 31 + 31 + 31 + 31 + 31 + 31 = 217$$

We could start by adding together the days from all of the **months** with 31 days.



Know how many days in a year

April

30 days

June

30 days

September

30 days

November

30 days

$$30 + 30 + 30 + 30 = 120$$

Then we could add together the days from all of the **months** with 30 days.



Know how many days in a year

$$217 + 120 + 28 = 365$$

$$217 + 120 + 29 = 366$$

January 31 days	February 28 or 29 days	March 31 days	April 30 days
May 31 days	June 30 days	July 31 days	August 31 days
September 30 days	October 31 days	November 30 days	December 31 days

Then we could add those numbers together and finally add the number of days in February.



Know how many days in a year

There are 365 or 366 days in a year.

Shout it!

Say it!

Say it in a silly voice!

Say it slowly!

Say it quickly!

Whisper it!



Know how many days in a year

Here is a riddle.

Izzy is 8 years old but has only had two birthdays. How is this possible?

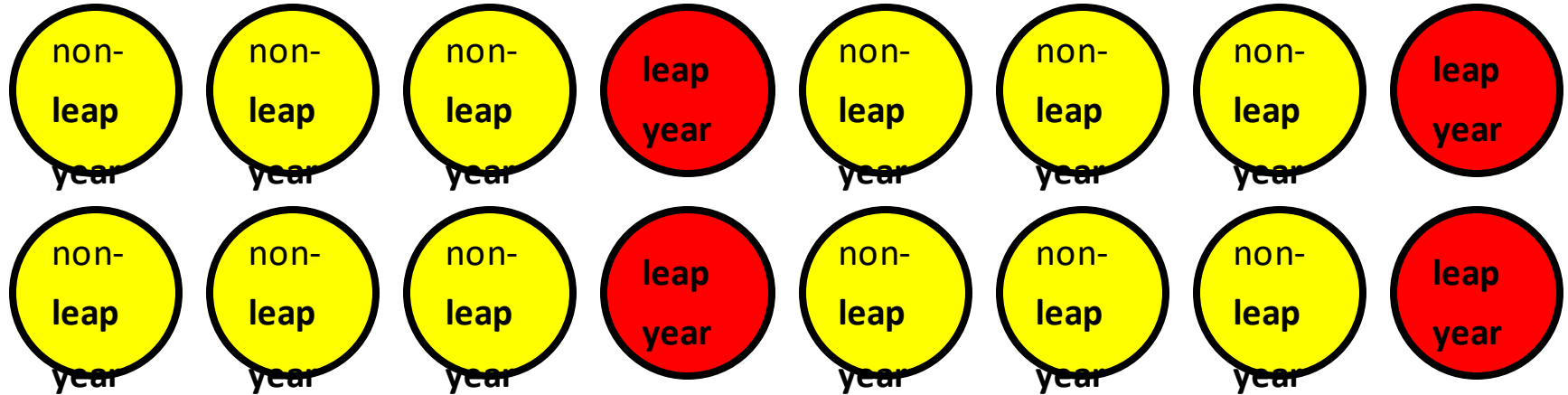
Izzy's birthday is on 29th February. This only happens once every four years, as we will see. This is called a **leap year**.

People born on that day usually celebrate their birthday on the 28th February or the 1st March when it is a non-**leap year**.



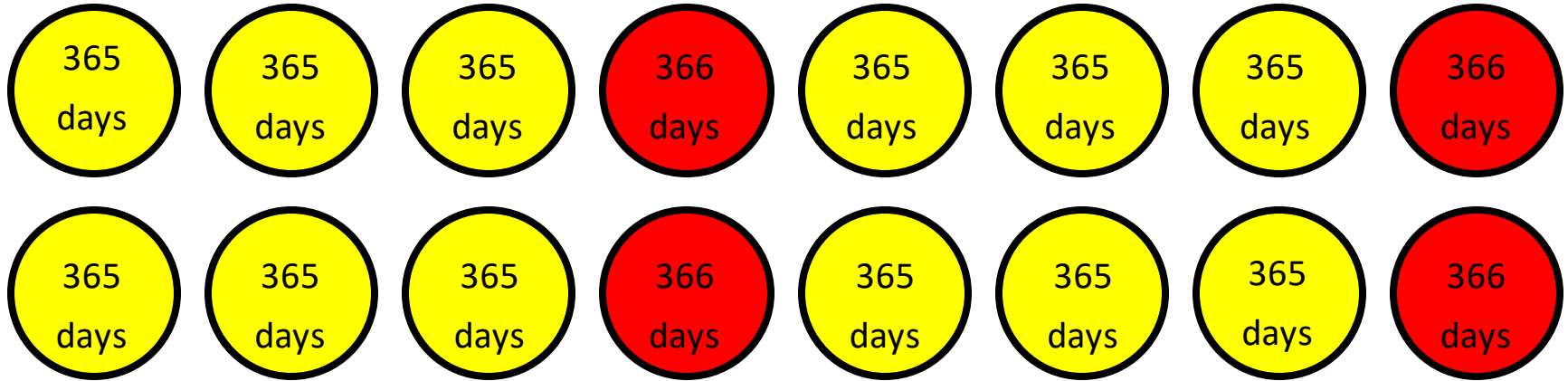
Know how many days in a year

The calendar years follow this sequence. Every fourth year is a **leap year**. When it is a **leap year**, the year has an extra day. This is why, every four years, February has 29 days.



Know how many days in a year

The calendar years follow the same sequence. Every fourth year is a **leap year**. When it is a **leap year**, the year has an extra day, which is why February sometimes has 29 days.



Know how many days in a year

There are 366 days in a **leap year**.

Shout it!

Say it!

Say it in a silly voice!

Say it slowly!

Say it quickly!

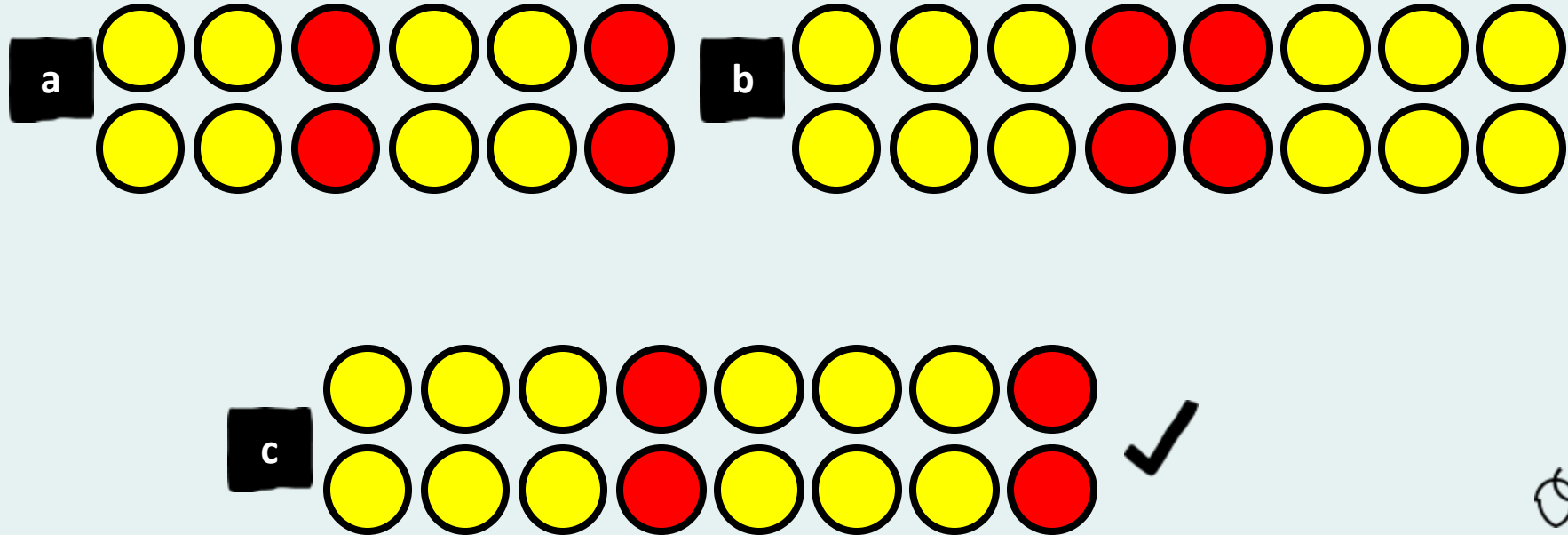
Whisper it!



Know how many days in a year



Which of these counter arrangements shows non-leap years and leap years?



Know how many days in a year

The **leap years** are multiples of four and are even numbers.

We can count on and back in 4 s to find the next and previous **leap years**.

2024 was a **leap year**.

What year is the next **leap year**?

$$2024 + 4 = 2028$$

2028 is the **leap year** after 2024

I can count on 4 to find the multiple of 4 after 2024



Know how many days in a year



Check

2024 is a leap year.

Say the years after that in order, all the way up to 2035

Stand up if it is a **leap year** and sit down if it is a non-**leap year**.

Sit down: 2025, 2026, 2027

Stand up: 2028

Sit down: 2029, 2030, 2031

Stand up: 2032

Sit down: 2033, 2034, 2035



Task B

Know how many days in a year



1) How many days are there in:

a) A non-**leap year**?

b) A **leap year**?

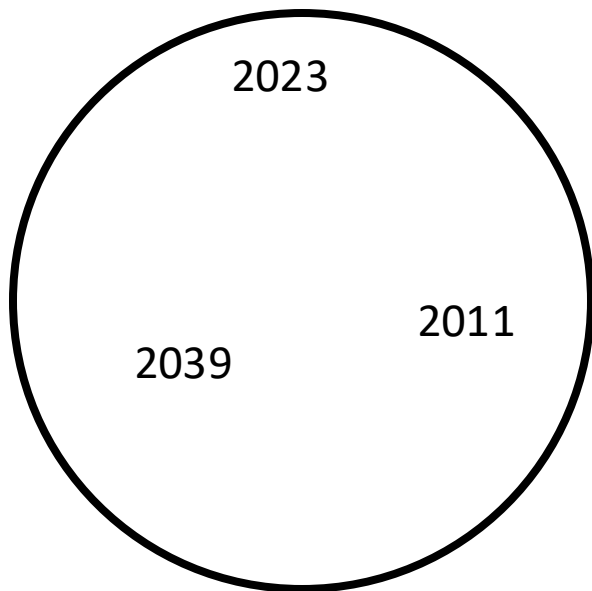


Task B

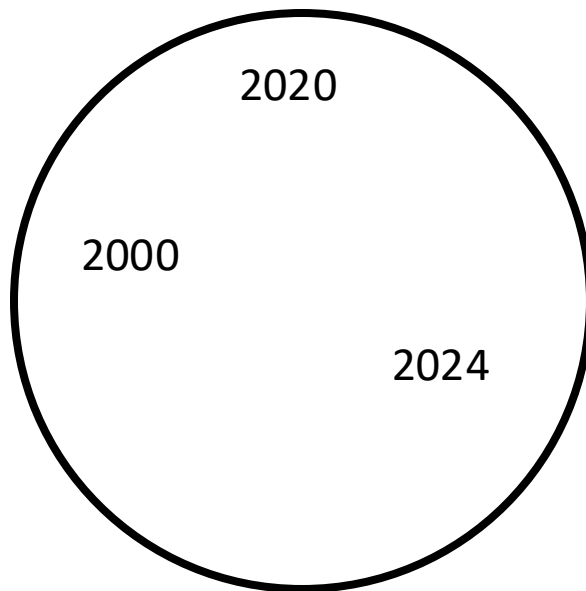
Know how many days in a year



- 2) Label these sorting circles. Add the following years to the sorting circles: 2017, 2048, 2014, 2036.



___ days



___ days

Write some more examples of years from the 21st century into the circles.



Task B

Know how many days in a year



Feedback

1) How many days are there in:

a) A non-**leap year**? 365

b) A **leap year**? 366

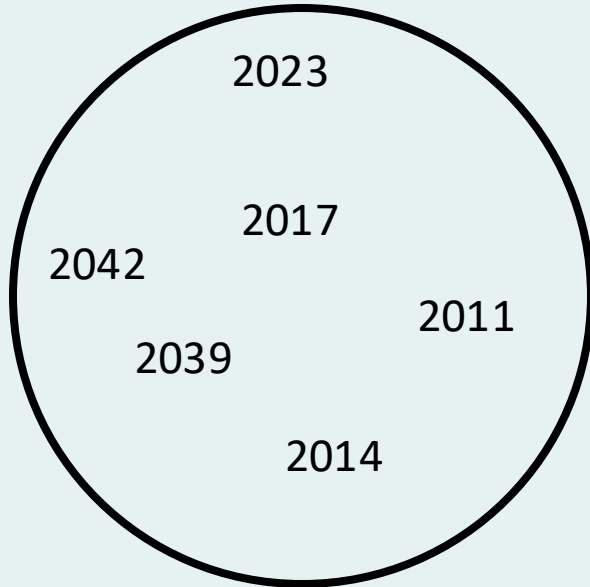


Task B

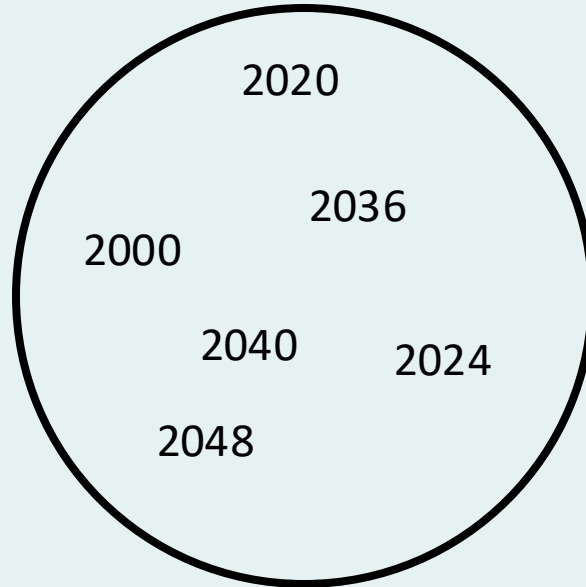
Know how many days in a year



2) Label these sorting circles.



365 days



366 days

Which extra years did you add?

We added 2040 which is a **leap year** and 2042 which is not.



Summary

Know the number of days in each month, year and leap year

30 days hath September,
April, June and November.

All the rest have 31

Excepting February alone,
Which has but 28 days clear,
And 29 in each leap year.

When the days of these months are added together, they equal either 365 days or, on a **leap year**, 366 days.



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