Lesson 60
What is a leap year?

Warm-up

Watch a video and sing a song "The 12 months of the year".

By **Kiboomu!** Kids Songs

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01

Knowledge Learning

Video

What is a leap year? Look at the video.

4

Do you know?

Let's learn something about the leap year(闰年).

How many days are there in a year?

Why is there an extra day? Firstly, we need to know what a year it is.
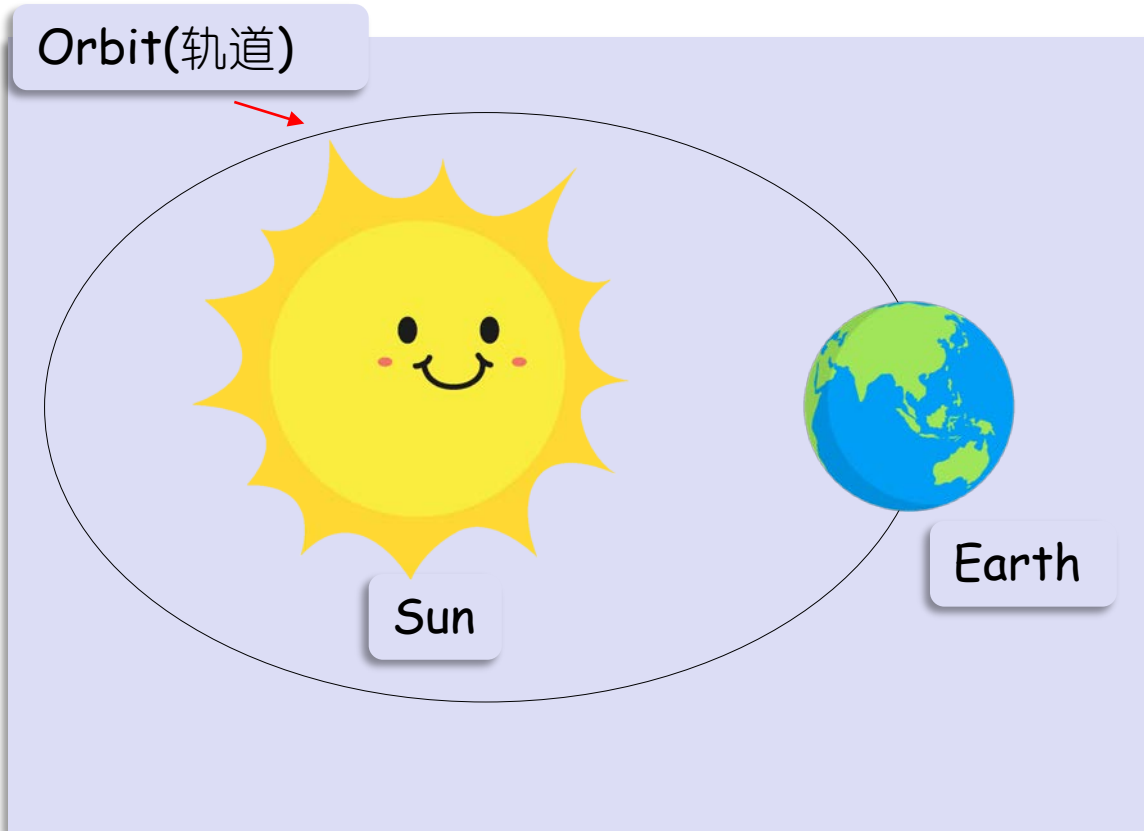
365 days

366 days

Teaching notes: Click the slide, and the bubble will be shown.

Do you know?

What is a year?

Orbit(轨道)

Sun

Earth

A year:
The time it takes the Earth to make one complete orbit(轨道) around the Sun.

It actually takes Earth 365.24 days

to complete its orbit.

These extra hours gradually add up(逐渐增加) to 1 day after 4 years.
0.24×4=0.96≈1 days

Do you know?

What is a leap year(闰年)?

365 days	365 days	365 days	365+1=366 days
0.24 days	0.24 days	0.24 days	0.24 days

We call this year a leap year(闰年).

There are 365 days in a year. Every year we set aside(留出) 0.24 days until the fourth year when we have another day added.

Do you know?

365+1=366 days

February

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			

This additional day is added into the shortest month of the year, which is February. This gives the month 29 days.

Do you know?

Rules of the leap year

1. The year first must be divisible(可被整除的) by 4.

We are leap years.

1996   2004   2020

2. If a year is divisible by 100, it is not a leap year, unless it is divisible by 400.

I can divisible by 100, but we can't divisible by 400. So I'm not the leap year.

I can divisible by 100, and I can divisible by 400. So I'm a leap year.

1700   2000

$1700 \div 100 = 17$
$1700 \div 400 = 4.25$

$2000 \div 100 = 20$
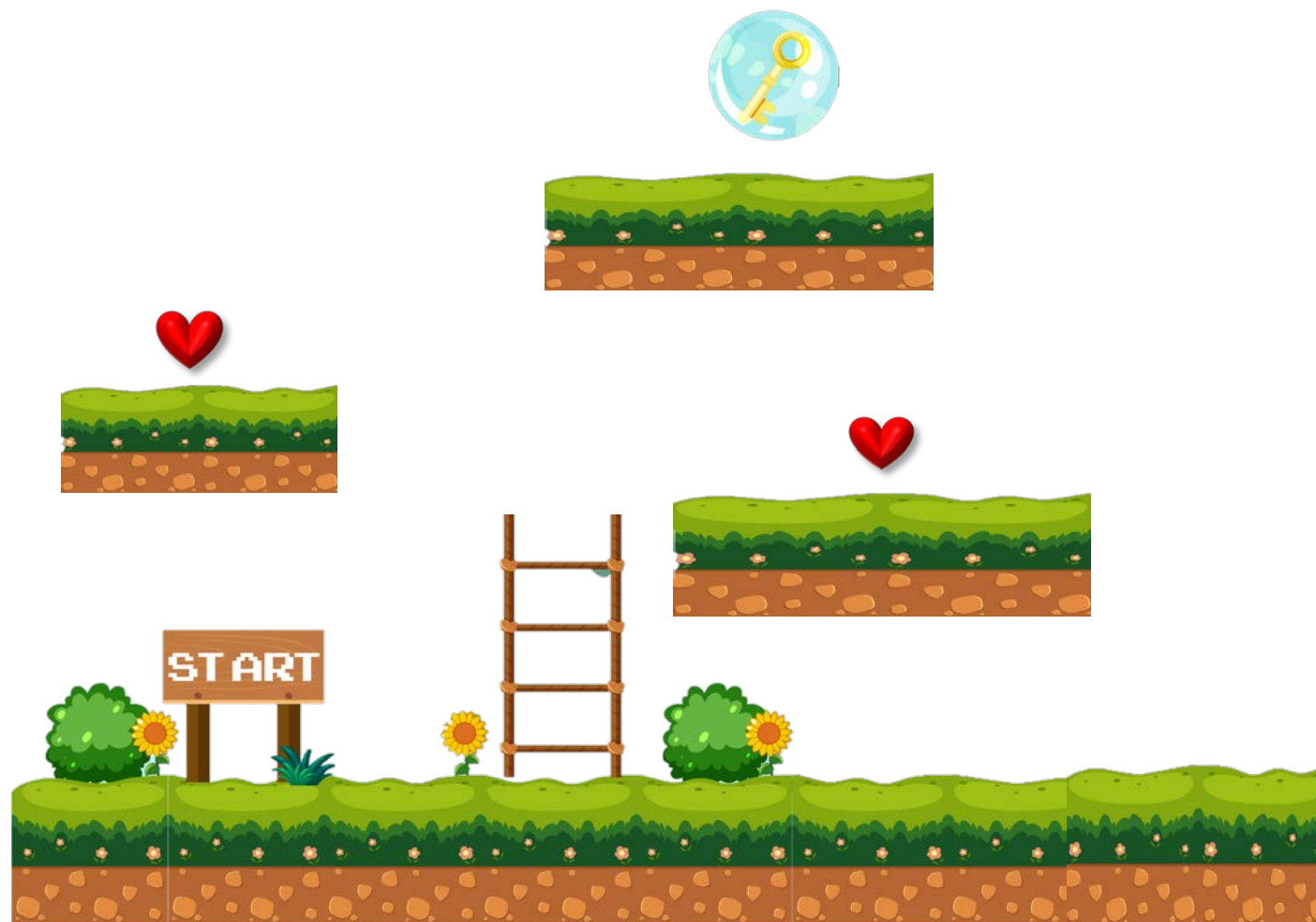$2000 \div 400 = 5$

阿卡索

02

Practice

Let's circle

Circle correct answers. Help the boy get the key.

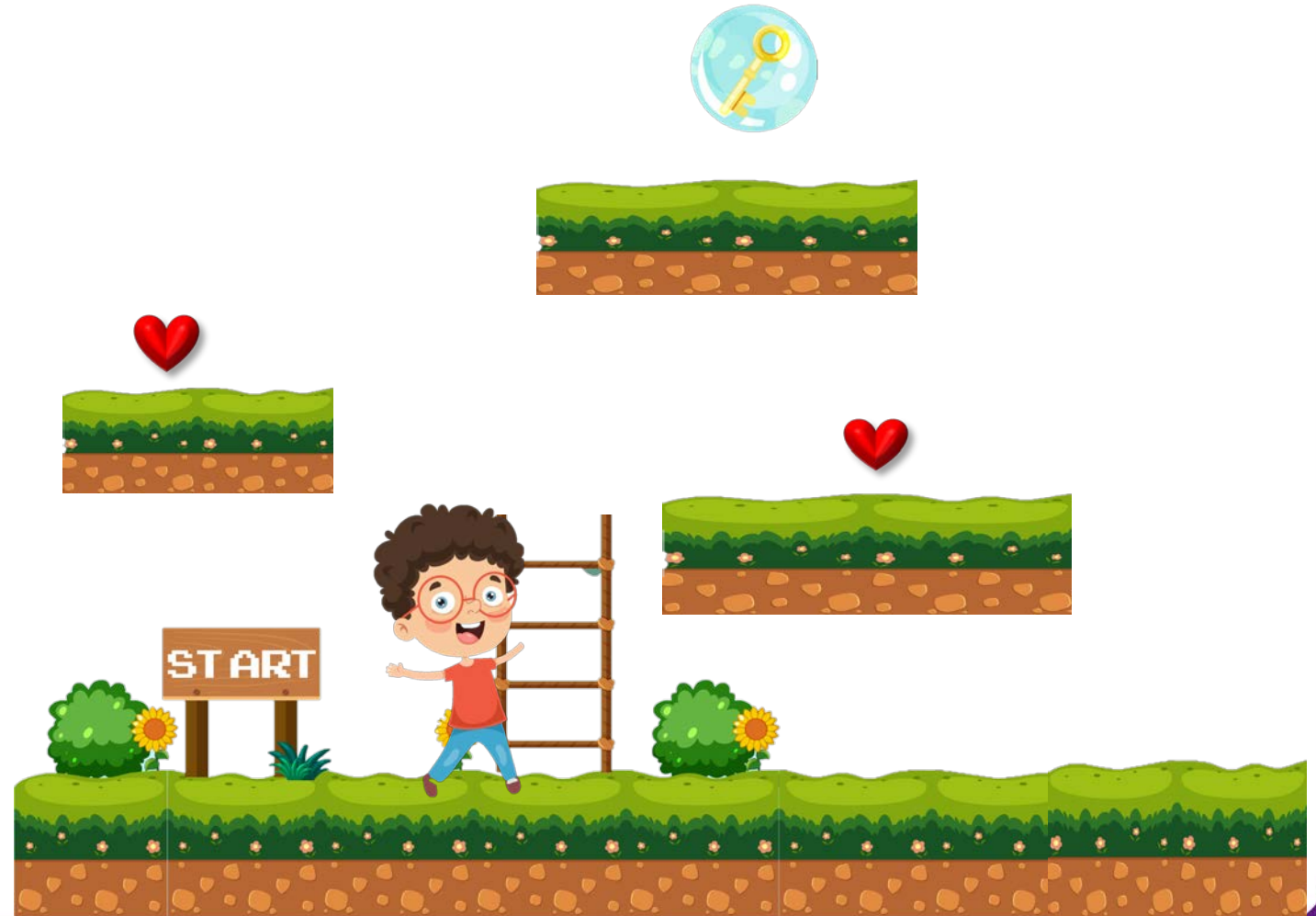1. A year is the time it takes the Earth to make one complete orbit(轨道). around the Sun.
A. Yes
B. No

START

阿卡索

Let's circle

2. It actually takes Earth 365.24 days to complete its orbit.
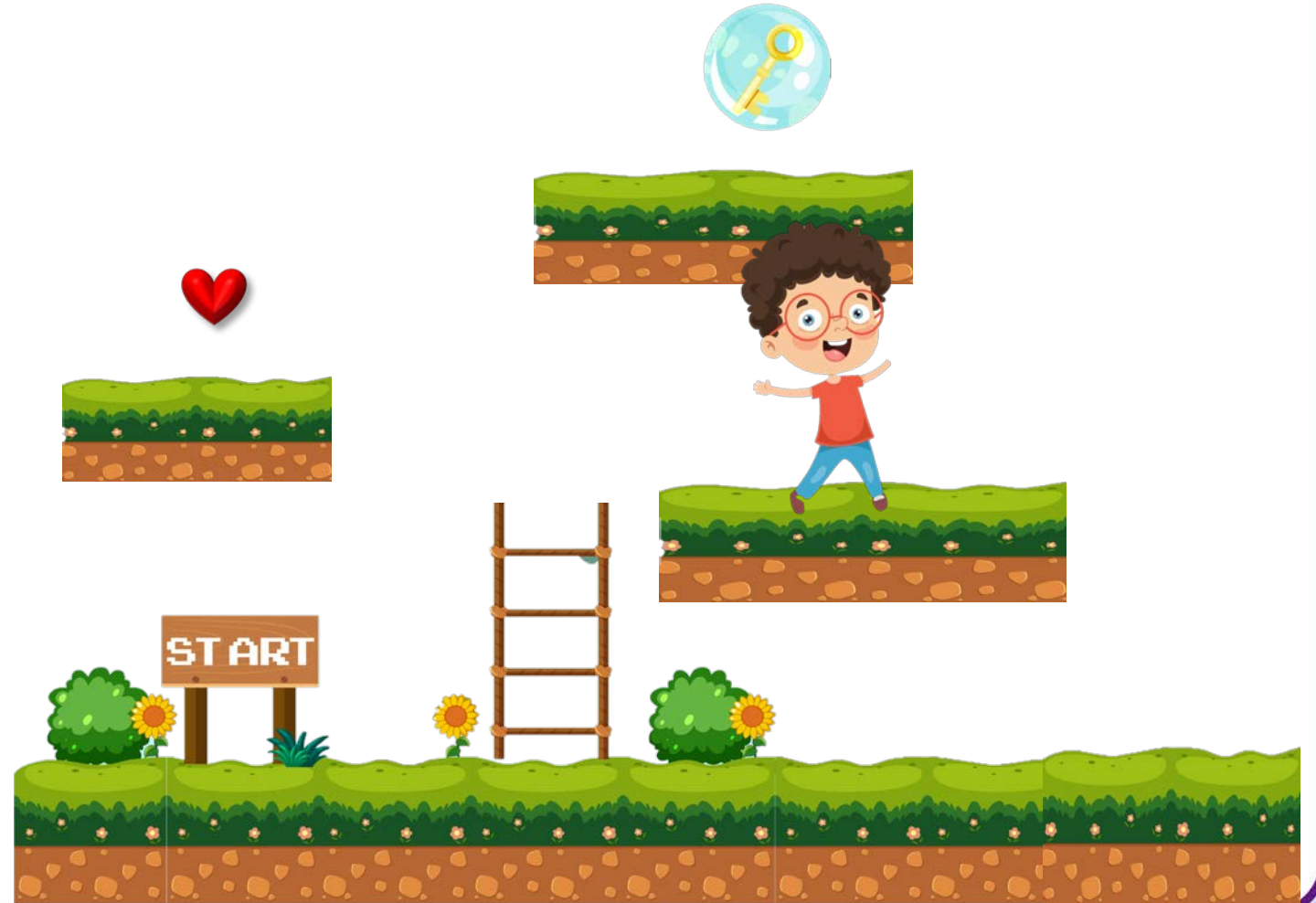A. Yes
B. No

START

Let's circle

3. If a year is divisible by 400, it is a leap year.
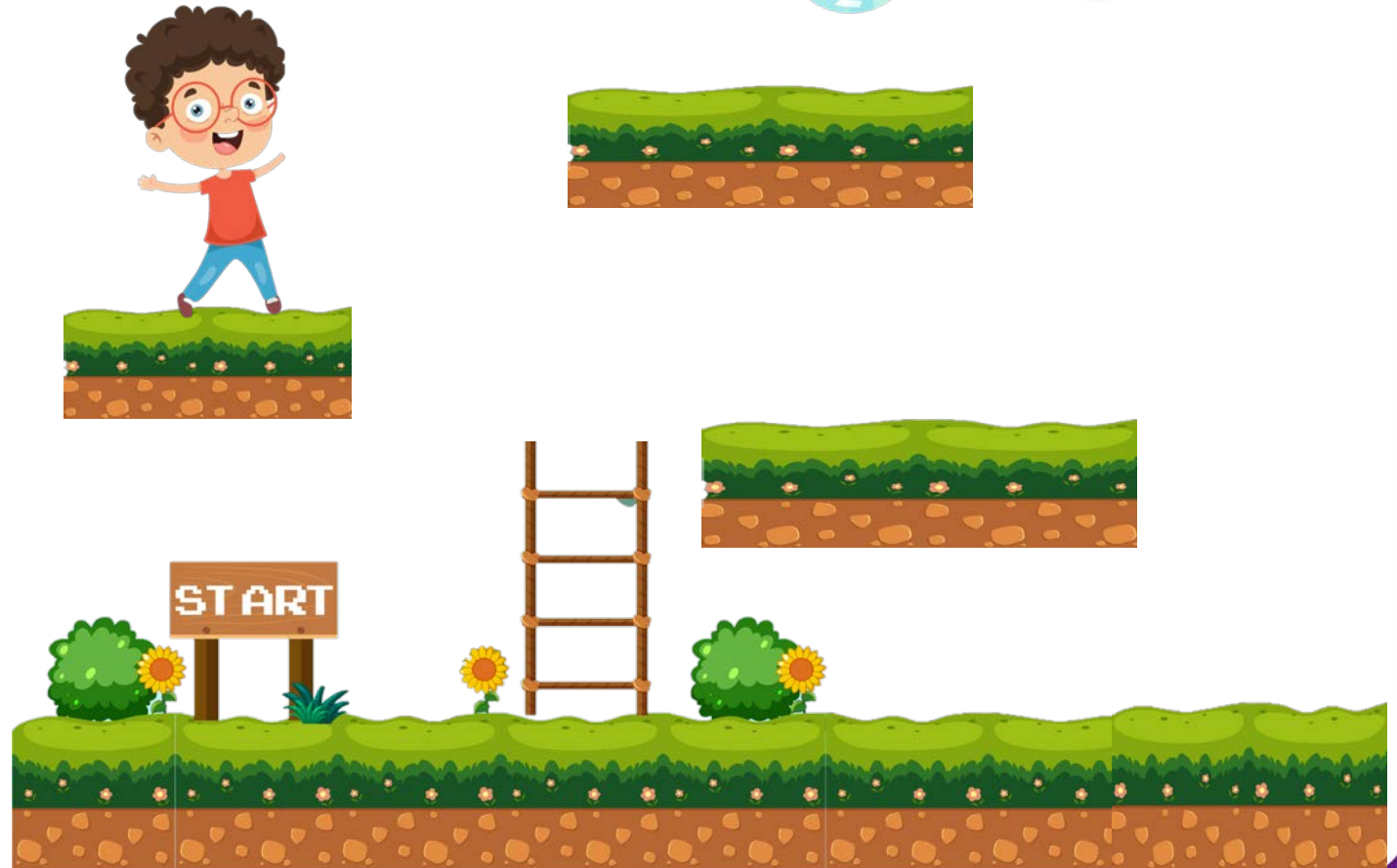A. Yes
B. No

START

Let's circle
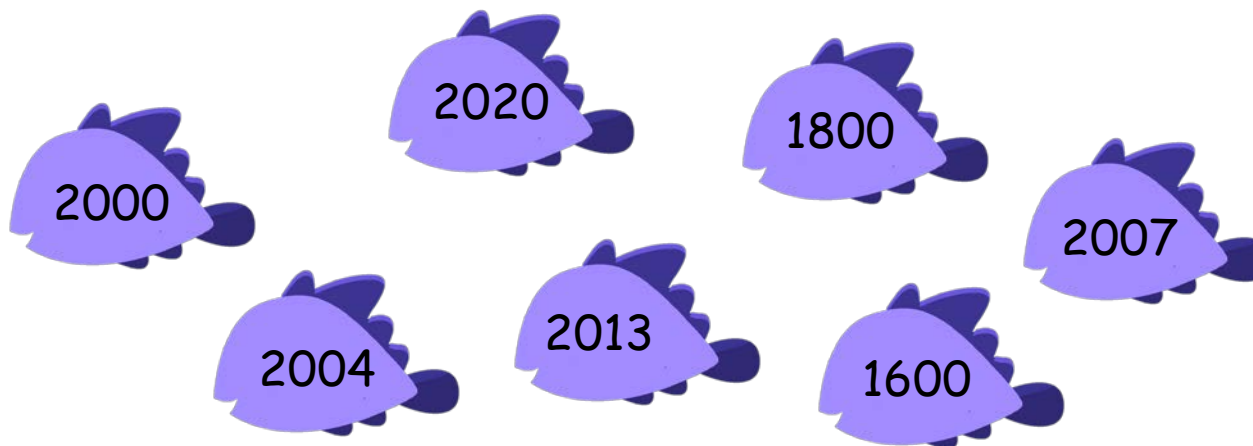
4. 1700 is a leap year.
A. Yes
B. No

Yeah! I got the key.

START

Let's choose

Look at pictures. Choose leap years.

Which years are leap years?

2020

1800

2000

2007

2004

2013

1600

Teaching notes: Click the pictures selected by the student. If correct, there will be a animation effect.

Free talk

Talk with the teacher.

a leap year

Jack was born on February 29, 2008.

When is his next real birthday?

03

Conclusion

Conclusion

In this lesson, you've learnt

Words

orbit, leap year, divisible