

# **Founded by Betty Debnam** Issue 08, 2020



Next Week: Creepy crawlers



#### Mini Fact:

In Greece, it's considered unlucky to marry during a leap year.

At the end of this week, people all over the world will experience a special day, one that usually comes only every four years.

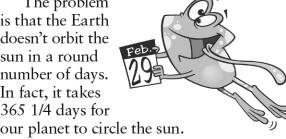
This year, February will have 29 days, and 2020 will have 366 days. In most years, February has only 28 days.

How did we get this extra day?

### A calendar lesson

We define a year as the number of days it takes for the Earth to orbit the sun. (A day is one rotation of the Earth on its axis.)

The problem is that the Earth doesn't orbit the sun in a round number of days. In fact, it takes 365 1/4 days for



If we didn't have leap days and leap years, eventually our months would shift to different seasons. For example, July might be in the

springtime.

In 1582, Pope Gregory XIII introduced the Gregorian calendar. This version of the calendar helped solve the problem of the shifting days and months. This is how it works:

• Every year that can be evenly divided by 4 is a leap year, EXCEPT:

 Years that can be evenly divided by 100 (centuries) are **not** leap years, BUT

• Years that can be divided by 400 are leap years.

### Time for some math

Whew! Let's give it a try. Put your math

This year is 2020. But what about 2021?

2020 ÷ 4 = \_\_\_\_ Therefore, 2020 is Lis not a leap year. (Check one.) 2021 ÷ 4 = 2021 will will not be a leap year because it is not evenly divisible by 4.

#### What about centuries?

We celebrated the last year of the **century** (100 years) and millennium (1,000 years) 20 years ago, in 2000. You may be alive when the next millennium arrives in 2100!

2100 ÷ 4 = \_\_\_\_\_ 2100 ÷ 100 = \_\_\_\_ 2100 ÷ 400 = \_\_\_\_ So 2100 will will not be a leap year. Why?

#### Leap day

What do we do with the extra day in a leap year? It is tacked on to the end of February. It becomes February 29. It's called leap day.

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# Leap birthdays

Do you know anyone with a leap birthday? You might think that someone born on Feb. 29,



called a leapling or a leaper, would have a birthday only every four years. But most leap birthdays are celebrated on Feb. 28 or March 1 in non-leap years.

### A remembering rhyme

You may already know this rhyme. There are many versions of it. The poem helps us remember the differences in the number of days in each month.

> Thirty days hath September, April, June and November; Thirty-one the others date, Except in February, twenty-eight; But in leap year we assign February, twenty-nine.

2100 ÷ 400 = 5.25. 2100 will not be a leap year.

2021 ÷ 4 = 505.25. 2021 is not a leap year. 2020 ÷ 4 = 505. 2020 is a leap year.



#### On the Web:

youtu.be/EDmdCr4jAmA

Mini Jokes

Logan: Where do most

**Eco Note** 

The ongoing Australian

Lindsay: IHOP!

#### At the library:

- "Mommy, Where's My Birthday?" by Lakisha Cornell
- "Stink and the Freaky Frog Freakout" by Megan McDonald (Stink was born on Feb. 29.)

people eat on leap day?

firestorms may have killed billions of

animals in recent weeks. Beyond the

wild due to the southeastern bushfires.

animal and plant species left critically

Experts fear the ecosystems there will never recover, with several other

scorched koalas and

kangaroos, scientists

also fear the longfooted potoroo marsupial may now

be extinct in the

# Try 'n' Find

Words that remind us of leap years are hidden in this puzzle. Some words are hidden backward or diagonally, and some letters are used twice. See if you can find:



FIHMCVPYRAURB WUTNIROTAT CSRAELARTXEJE ANAIRFLGJLZA CENTUR C A S RΥ R U GDAYSYE ARMY

1. Break graham crackers in half; arrange with edges touching in a jelly roll pan.

2. Melt butter in a separate pan over medium heat; stir in sugars, cinnamon and pecans.

## Cook's Corner **Cinnamon Graham Treats**

### You'll need:

What to do:

- 10 to 12 whole graham crackers
- 1/2 cup butter
- 1/4 cup brown sugar, packed

3. Cook 5 minutes, stirring frequently.

6. Cool before serving. Serves 6.

5. Bake in a 375-degree oven for 12 minutes.

4. Pour sticky mixture evenly over graham crackers.

• 1/4 cup white sugar

# 1 teaspoon cinnamon

 1 cup pecans, chopped



#### help For later:

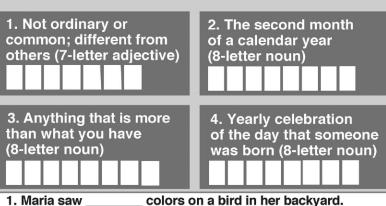
You'll

Look in your newspaper for articles about leap day.

Teachers: Follow and interact with The Mini Page on Facebook!

endangered or extinct.





colors on a bird in her backyard. 1. Maria saw Connie knows that almost every has 28 days.

to his favorite grapes. 3. Billy ate a sandwich in happens. 4. Brenda asked Ellen when her

by Jan & Carey Orr Cook ou know the

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